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Arizona Corporation Commission

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Attorneys for Arizona Public Service Company

**BEFORE THE ARIZONA CORPORATION COMMISSION**

**COMMISSIONERS**

GARY PIERCE, Chairman  
BOB STUMP  
SANDRA D. KENNEDY  
PAUL NEWMAN  
BRENDA BURNS

IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY, PURSUANT TO ARIZONA  
REVISED STATUTE § 40-252, FOR AN  
AMENDMENT OF ARIZONA  
CORPORATION COMMISSION  
DECISION NO. 65997.

Docket No. L-00000D-02-0120

**REQUEST FOR EXTENSION OF CEC  
TERM  
-AND-  
APPLICATION TO AMEND ARIZONA  
CORPORATION COMMISSION  
DECISION NO. 65997 RE CEC 120**

**I. INTRODUCTION**

Arizona Corporation Commission ("Commission") Decision No. 65997 (June 18, 2003) approved a Certificate of Environmental Compatibility ("CEC") for the North Valley 230kV Facility Siting Project granted by the Arizona Power Plant and Transmission Line

1 Siting Committee ("Committee") for Arizona Public Service Company ("APS" or  
2 "Company") to build a double-circuit 230kV transmission line between the Westwing  
3 substation, the Raceway substation and the Pinnacle Peak substation (Decision No. 65997 and  
4 its approved CEC will be referred to collectively as "CEC 120"). CEC 120 also authorized  
5 construction of two new substations—Scatter Wash (formerly Misty Willow) and Avery.

6 On February 20, 2007, in Decision No. 69343, the Commission authorized a new CEC  
7 approving a 500/230kV transmission line between the Morgan and Pinnacle Peak substations  
8 (Decision No. 69343 and its CEC will be referred to collectively as "CEC 131"). The new  
9 500/230kV line approved in CEC 131 followed nearly the same path as the line for the  
10 double-circuit 230kV line approved in CEC 120, thus making a large portion of CEC 120  
11 unnecessary.

12 APS respectfully asks the Commission to (i) extend the term of CEC 120 to allow APS  
13 ten more years to build its Scatter Wash and Avery substations, (ii) cancel that portion of  
14 CEC 120 approving a double-circuit 230kV transmission line between the Westwing,  
15 Raceway, and Pinnacle Peak substations as that line is no longer needed,<sup>1</sup> and (iii) delete  
16 Condition 23 from CEC 120.<sup>2</sup> Finally, APS gives the Commission additional notice of its  
17 plan to move the Scatter Wash substation to the north side of the transmission corridor and to  
18 use a modified structure that was not contemplated or needed when CEC 120 was approved.  
19 For the Commission's convenience, attached as Exhibit A is a proposed Order that reflects  
20 these changes.

21  
22  
23  
24 <sup>1</sup> Condition 29 in CEC 131 required APS to file an application to amend CEC 120 under A.R.S. § 40-252 and  
25 specified a new condition for CEC 120. As ordered, APS filed an Application to Amend CEC 120 on March  
26 21, 2007. APS incorporates by reference this earlier filing subject to certain revisions discussed here.  
27 Condition 29 also allowed APS to retain the authorization to construct the Westwing to Raceway segment of  
28 the line approved in CEC 120. For the reasons discussed in Part II.B, this segment of the line is not needed,  
and APS asks the Commission to also cancel this portion of CEC 120.

<sup>2</sup> Condition 23 included several requirements related to the segment of the route that crossed the planned  
Happy Valley Road Towne Center property leased by Roles and located at the southeast corner of I-17 and  
Happy Valley Road.

1 **II. REQUESTED CEC TERM EXTENSION AND AMENDMENTS TO CEC 120**

2 **A. Extend Term of CEC 120 to Allow APS Ten Years to Construct Scatter Wash**  
3 **and Avery Substations.**

4 Condition 3(a) of CEC 120 contained a ten-year term for completing the first circuit of  
5 the line and a fifteen-year term for completing the second circuit. The ten-year term expires  
6 on June 18, 2013; the fifteen-year term expires on June 18, 2018. Condition 3(a) also allows  
7 APS to request an extension of these time limits. It states that APS "prior to either such  
8 expiration [APS] may request that the Commission extend this time limitation." Consistent  
9 with this condition, APS asks the Commission for a ten-year extension until June 18, 2023 in  
10 which to complete the Scatter Wash and Avery substations—the only work remaining under  
11 CEC 120. These new 230kV substations will serve as transformation interconnection points  
12 to distribute power to the residential communities and commercial establishments in north  
13 Phoenix. Given the economic downturn and low load growth over the past few years, these  
14 substations are not yet needed. APS anticipates it will need these substations when the  
15 economy improves and development activities reignite in the surrounding areas.

16 Condition 17 of CEC 120 requires APS to "use reasonable means to directly notify all  
17 landowners and residents within a one-half mile radius of the Project facilities . . . of the time  
18 and place of the proceeding in which the Commission shall consider" an extension of the  
19 CEC term. See Attachment 6 to Affidavit of D. Brad Larsen, attached as Exhibit B, for a  
20 sample notice APS will use to notify landowners and residents of this request for extension.

21 **B. Cancel Portion of CEC 120 Approving a Double-Circuit 230kV Transmission**  
22 **Line Between Westwing, Raceway and Pinnacle Peak Substations and Modify**  
23 **CEC 120 to Conform with the Commission's Decision in CEC 131.**

24 CEC 120 approved construction of a double-circuit 230kV line between the Westwing,  
25 Raceway, and Pinnacle Peak substations. As discussed above, APS sought and received in  
26 CEC 131 approval to construct a 500/230kV transmission line between the Morgan,  
27 Raceway, and Pinnacle Peak substations rather than the double-circuit 230kV line approved  
28 in CEC 120. The 500/230kV line authorized in CEC 131, which was energized in December  
of 2010, takes the place of the previously approved double-circuit 230kV line approved in

1 CEC 120. CEC 131 expressly recognized this change in scope and ordered APS to file an  
2 application to amend CEC 120 to make it consistent with the Commission's subsequent  
3 decision in CEC 131. Attached as Exhibit C and incorporated by reference is the Company's  
4 Application to Amend A.C.C. Decision No. 65997, dated March 21, 2007. This filing  
5 supersedes the Company's March 21, 2007 filing.

6 In CEC 131, APS retained the right to build the double-circuit 230kV transmission line  
7 between the Westwing and Raceway substations.<sup>3</sup> APS has determined that the Westwing to  
8 Raceway substation circuit is no longer needed due to the addition of the Morgan to Pinnacle  
9 Peak 500kV/230kV line, as well as other changes in the transmission system, infrastructure  
10 and development near the Westwing and Raceway Substations. Accordingly, APS asks that  
11 the Commission cancel the entire double-circuit line approved in CEC 120, including  
12 construction of the line from the Westwing to Raceway substations.

13 APS requests that the Commission amend under A.R.S. § 40-252 the scope of CEC  
14 120 to reflect that APS shall not build the double-circuit 230kV transmission line between the  
15 Westwing, Raceway and Pinnacle Peak substations and to delete Condition 23 because it is  
16 no longer applicable.<sup>4</sup> With this amendment to CEC 120, APS retains authorization to  
17 construct the Scatter Wash and Avery substations. The proposed Order attached as Exhibit A  
18 reflects these changes.

19 **III. Notice of Intent to Move Scatter Wash Substation and to Use Modified Structure**  
20 **to Interconnect 230kV line to the Substation.**

21 When the Commission approved CEC 120, APS anticipated locating the Scatter Wash  
22 substation south of an existing double-circuit Salt River Project ("SRP") 230kV transmission  
23 line. On November 16, 2010, APS filed a notice informing the Commission of the need to  
24 move the Scatter Wash substation to the north of the existing SRP 230kV line and the new

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25 <sup>3</sup> In the Company's March 21, 2007 filing, attached hereto as Exhibit C and incorporated by reference, APS  
26 requested that the Commission amend [CEC 120] to revoke approval of the double-circuit 230kV transmission  
27 line except for the Commission's prior approval of the portion of the Project between Westwing and Raceway  
substations.

28 <sup>4</sup> Condition 23 contains specifics regarding construction of a portion of the line contemplated in CEC 120,  
which was superceded by CEC 131.

1 APS 500/230kV line approved in CEC 131. Attached as Exhibit D is the Company's Notice  
2 of Substation Site Change Or, In the Alternative, Application to Amend A.C.C. Decision No.  
3 65997. The primary reason for moving the Scatter Wash substation from the south side to the  
4 north side of the transmission corridor is cost saving. However, this change will also reduce  
5 the number of line crossings necessary. Since March 2010, APS has had a sign on the  
6 proposed north site informing the public of the proposed new substation and providing APS  
7 contact information. Additionally, in February 2011, APS mailed information to residents,  
8 customers and landowners located within one mile of the substation property about APS's  
9 plan to build the substation and to improve and landscape the substation site property.

10 The new location of the Scatter Wash substation, and the construction of the  
11 500/230kV line approved in CEC 131, requires APS to use an interconnection structure that  
12 will lower the 230kV line to allow it to cross under the 500kV line that is co-located on the  
13 same transmission structure. Neither CEC 120 nor CEC 131 specifically delineated the type  
14 or height of structures APS planned to use for the transformation interconnection point from  
15 the 230kV transmission line to the substation. APS's testimony before the Arizona Power  
16 Plant and Transmission Line Siting Committee in CEC 120 and CEC 131 addressed poles  
17 that would be used for the transmission line. (See Exhibit B at ¶ 6.) The modified structure is  
18 approximately 150 feet tall and has three poles—a large center pole with two smaller outer  
19 poles. The span between the center pole and the outer poles is 45-feet wide. (See Exhibit B  
20 at Attachments 3, 4, 5.) The modified structure is environmentally compatible and its effects  
21 are similar to the previously approved transmission structures. See Affidavit of Paul Trenter,  
22 attached as Exhibit E.

23 APS will place the three-pole structure in the same alignment as the 500/230kV line.  
24 It will guide the 230kV line into the substation, where it will attach to up to four 230kV  
25 monopoles inside the substation property, and position the line for the final drop into the  
26 substation A-frame structures. All of the electric facilities, including the interconnection  
27 structures, will be located within the 1,000-foot corridor previously approved in CEC 120.  
28

1 APS does not view the above-described changes in location and modified structure as  
2 substantial. The changes do not materially alter the environmental impact of the project and  
3 will be environmentally compatible. (See Exhibit E, at ¶ 5.) Nevertheless, in an abundance  
4 of caution, APS notifies the Commission of these changes. If the Commission believes that  
5 these changes are substantial, then APS asks that the Commission treat this notification as a  
6 request to amend CEC 120 under A.R.S. § 40-252 to authorize these changes.

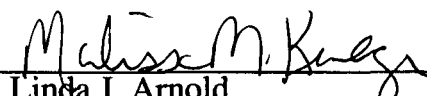
7 **IV. CONCLUSION**

8 For the reasons discussed above, APS respectfully requests that the Commission  
9 extend the term of CEC 120 until June 18, 2023 to allow APS more time to build its Scatter  
10 Wash and Avery substations, and to amend Decision No. 65997 as follows:

- 11 1. Cancel that portion of CEC 120 approving a double-circuit 230kV transmission  
12 line between the Westwing, Raceway and Pinnacle Peak substations as that line is no  
13 longer needed; and
- 14 2. Conform CEC 120 with the Commission's decision regarding CEC 131,  
15 including the deletion of Condition 23.

16 If the Commission believes that the Company's plans to move the Scatter Wash substation  
17 and to use a modified structure to interconnect the 230kV line to the substation are  
18 substantial, APS asks that the Commission amend CEC 120 under A.R.S. § 40-252 to  
19 approve these changes.

20 **RESPECTFULLY SUBMITTED** this 19th day of October, 2012.

21 By:   
22 Linda J. Arnold  
23 Melissa M. Krueger  
24 Pinnacle West Capital Corporation  
25 400 North 5<sup>th</sup> Street, MS 8695  
26 Phoenix, Arizona 85004  
27 Thomas H. Campbell  
28 Lewis and Roca LLP  
40 North Central Avenue  
Phoenix, Arizona 85004

Attorneys for Arizona Public Service Company

1 **ORIGINAL** and thirteen (13) copies  
2 of the foregoing filed this 19th day of  
3 October, 2012, with:

4 The Arizona Corporation Commission  
5 Hearing Division – Docket Control  
6 1200 West Washington Street  
7 Phoenix, Arizona 85007

8 **COPY** of the foregoing hand-delivered  
9 this 19th day of October, 2012, to:

10 Janice Alward  
11 Chief Counsel, Legal Division  
12 Arizona Corporation Commission  
13 1200 West Washington Street  
14 Phoenix, Arizona 85007

15 Steve Olea, Director  
16 Utilities Division  
17 Arizona Corporation Commission  
18 1200 W. Washington Street  
19 Phoenix, Arizona 85007

20 **COPY** of the foregoing emailed or mailed  
21 this 19th day of October, 2012, to:

22 John Foreman, Chairman  
23 Arizona Power Plant and Transmission Line Siting Committee  
24 Office of the Attorney General  
25 PAD/CPA  
26 1275 West Washington Street  
27 Phoenix, Arizona 85007

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Britton M. Worthen  
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14 4800 North Scottsdale Road  
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15 Scottsdale, Arizona 85251-7630

16  
17 Christie Doelson

18

19

20

21

22

23

24

25

26

27

28

# Exhibit A

**BEFORE THE ARIZONA CORPORATION COMMISSION**

**COMMISSIONERS**

GARY PIERCE, Chairman

BOB STUMP

SANDRA D. KENNEDY

PAUL NEWMAN

BRENDA BURNS

IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY, PURSUANT TO ARIZONA  
REVISED STATUTE § 40-252, FOR AN  
AMENDMENT OF ARIZONA  
CORPORATION COMMISSION  
DECISION NO. 65997.

Docket No. L-00000D-02-0120

**PROPOSED ORDER AMENDING  
DECISION NO. 65997**

**Open Meeting**

**Date \_\_\_\_\_**  
**Phoenix, Arizona**

**BY THE COMMISSION:**

**FINDINGS OF FACT**

1. Decision No. 65997, entered on June 18, 2003, granted Arizona Public Service Company's ("APS") application for a Certificate of Environmental Compatibility ("CEC") to build a double-circuit 230kV transmission line and related infrastructure between the Westwing, Raceway and Pinnacle Peak substations (Decision No. 65997 and its approved CEC will be referred to collectively as "CEC 120").

2. On February 20, 2007, in Decision No. 69343, the Arizona Corporation Commission ("Commission") authorized a CEC approving a 500/230kV transmission line between the Morgan and Pinnacle Peak substations (Decision No. 69343 and its CEC will be referred to collectively as "CEC 131"). The 500/230kV line approved in CEC 131 followed nearly the same path as the line for the double-circuit 230kV transmission line approved in CEC 120, thus making a large portion of CEC 120 unnecessary.

1           3.     In CEC 131, the Commission ordered APS to file an application under A.R.S.  
2     § 40-252 to modify CEC 120 to conform with CEC 131. On March 21, 2007, APS filed an  
3     Application to Amend CEC 120, which also clarified that the remaining elements of the  
4     project were two 230kV substations—the Scatter Wash and Avery substations, and a single  
5     circuit 230kV line from the Westwing to Raceway substations. The March 21, 2007  
6     Application is still pending.□On November 16, 2010, APS filed a Notice of Substation Site  
7     Change or, in the Alternative, Application to Amend A.C.C. Decision No. 65997 informing  
8     the Commission of the need to move the Scatter Wash substation to the north of the existing  
9     Salt River Project (“SRP”) 230kV line and the new APS 500/230kV line approved in CEC  
10    131. In its November 16, 2010 filing, APS explained that all of the electric facilities,  
11    including the interconnection structures for the Scatter Wash substation would remain within  
12    the 1000-foot corridor approved in CEC 120.

13           5.     On October 18, 2012, APS filed a Request for Extension of CEC Term and an  
14    Application to Amend A.C.C. Decision No. 65997 Re CEC 120.

15           6.     In its filing, APS requested a ten-year extension of CEC 120 until June 18, 2023  
16    to allow APS more time to build the Scatter Wash and Avery substations. Due to the  
17    economic downturn and low load growth over the past few years, these substations are not yet  
18    needed; however, APS anticipates it will need these substations when the economy improves  
19    and development activities reignite in the surrounding areas.

20           7.     APS also requested that the Commission cancel the approval of the double-  
21    circuit 230kV transmission line between the Westwing, Raceway and Pinnacle Peak  
22    substations to conform with CEC 131 and because the Westwing to Raceway 230kV  
23    transmission line is no longer needed. The Westwing to Raceway segment is no longer  
24    needed because of the addition of the Morgan to Pinnacle Peak 500/230kV line, as well as  
25    other changes in the transmission system, infrastructure and development near the Westwing  
26    and Raceway substations.

27           8.     APS also requested that the Commission delete Condition 23 because that  
28    Condition is no longer applicable.

9. APS re-noticed the Commission of the Company's intent to move the Scatter Wash substation to the north side of the transmission corridor. APS also noticed the Commission of the Company's plan to use a modified interconnection structure to connect the 500kV line to the 230kV Scatter Wash substation. While engineering the interconnection of the 500kV line to the 230kV substation, APS determined that the 230kV line must be lowered to allow it to cross under the 500kV line that is co-located on the same transmission structure. This requires the use of a modified interconnection structure. The changes to the substation site and the use of modified interconnection structure are not substantial changes.

## CONCLUSIONS OF LAW

1. The Commission has jurisdiction over Arizona Public Service Company and the subject matter contained herein pursuant to Article XV of the Arizona Constitution and A.R.S. §§ 40-252 and 40-360, *et seq.*

2. Notice of the proceeding has been given in the manner prescribed by law. It is reasonable and prudent for the Commission to cancel the approval of the construction of the double-circuit 230kV transmission line between the Westwing, Raceway and Pinnacle Peak substations except for the Avery and Scatter Wash substations.

3. The Commission, having reviewed and considered the Company's application to extend time and to modify certain provisions in Decision No. 65997, concludes that it is in the public interest to approve the Company's proposed revisions to CEC 120.

## ORDER

Upon due consideration of this matter and notice and opportunity to be heard, the Commission modifies Decision No. 65997 as follows:

IT IS THEREFORE ORDERED that Condition No. 3(a) of CEC 120 is modified to state the following:

1. The authorization to construct the Avery and Scatter Wash substations shall expire 10 years from June 18, 2013; provided, however, that prior to such expiration, Applicant or its assignees may request that the Commission extend this time limitation.

1 IT IS FURTHER ORDERED that APS shall not construct the double-circuit 230kV  
2 transmission line, originally approved in CEC 120, between the Westwing, Raceway and  
3 Pinnacle Peak substations except for the Avery and Scatter Wash substation.

4 IT IS FURTHER ORDERED that CEC 120 is amended by deleting Condition 23 in its  
5 entirety.

6 IT IS FURTHER ORDERED that all other provisions in CEC 120 granted by Decision  
7 No. 65997 continue in effect to the extent applicable.

8 IT IS FURTHER ORDERED that this Decision shall become effective immediately.  
9

10  
11 **BY ORDER OF THE ARIZONA CORPORATION COMMISSION**  
12

13 \_\_\_\_\_  
14 CHAIRMAN

COMMISSIONER

15 \_\_\_\_\_  
16 COMMISSIONER

COMMISSIONER

COMMISSIONER

17  
18 IN WITNESS WHEREOF, I, ERNEST G. JOHNSON,  
19 Executive Director of the Arizona Corporation  
20 Commission, have hereunto, set my hand and caused  
21 the official seal of this Commission to be affixed at the  
22 Capitol, in the City of Phoenix, this \_\_\_\_ day of  
\_\_\_\_\_, 2012.

23 \_\_\_\_\_  
24 ERNEST G. JOHNSON  
25 Executive Director  
26  
27  
28

# Exhibit B

STATE OF ARIZONA       )  
                                      ) ss.  
COUNTY OF MARICOPA)

**AFFIDAVIT OF D. BRAD LARSEN**

I, D. Brad Larsen, being duly sworn under oath, depose and state:

1. I am a Senior Siting Consultant for Arizona Public Service Company ("APS" or "Company").

2. I am personally familiar with the Certificate of Environmental Compatibility issued on June 18, 2003 for Case No. 120 ("CEC 120") as well as the proposed changes to this CEC 120 related to APS's Scatter Wash (formerly Misty Willow) 230kV Substation, which will connect the Company's 230kV system to the 69kV sub-transmission system.

3. I am personally familiar with the Certificate of Environmental Compatibility issued on February 20, 2007 for Case No. 131 ("CEC 131") that superseded CEC 120 authorizing a 500/230kV transmission line between the Morgan and Pinnacle Peak substations.

4. CEC 120 authorizes APS to construct a new 230kV substation (Scatter Wash Substation), which will serve as a transformation interconnection point to distribute power to the residential communities and commercial establishments in north Phoenix. The Scatter Wash substation will be located to the north of the existing Salt River Project ("SRP") 230kV line and the new APS 500/230kV transmission line.

5. The location of the Scatter Wash substation in proximity to the interconnection point of the transmission line (approved in CEC 131) requires APS to use an interconnection structure that will lower the 230kV line to allow it to cross under the 500kV line that is co-located on the same transmission structure.

6. APS's testimony before the Arizona Power Plant and Transmission Line Siting Committee in CEC 120 and CEC 131 addressed poles that would be used for the transmission line. During the hearing, APS provided typical examples of transmission


structures in CEC 120 and CEC 131, which the Commission approved, and are attached as Attachment 1 and Attachment 2 respectively.

7. Engineering studies and detailed design work conducted after CEC 120 and CEC 131 were issued demonstrate the need for a transformation interconnection structure to allow the 230kV circuit to cross under the 500kV circuit. The modified structure will be a three-pole structure that will be approximately 150-feet tall, and will be placed mid-span within the existing 500/230kV right-of-way. Attachments 3, 4 and 5 to my affidavit are depictions of the modified interconnection structure.

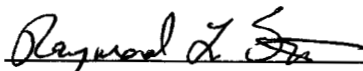
8. Once inside the substation property, the 230kV circuit will be constructed on up to four 230kV monopole structures before the line makes a final drop into the substation equipment.

9. Condition 17 of CEC 120 requires APS to "use reasonable means to directly notify all landowners and residents within a one-half mile radius of the Project facilities . . . of the time and place of the proceeding in which the Commission shall consider" an extension of the CEC term. Attachment 6 to my affidavit is a draft sample notice APS will use to notify landowners and residents of this request for extension.

DATED this 18 day of October, 2012.

  
D. Brad Larsen

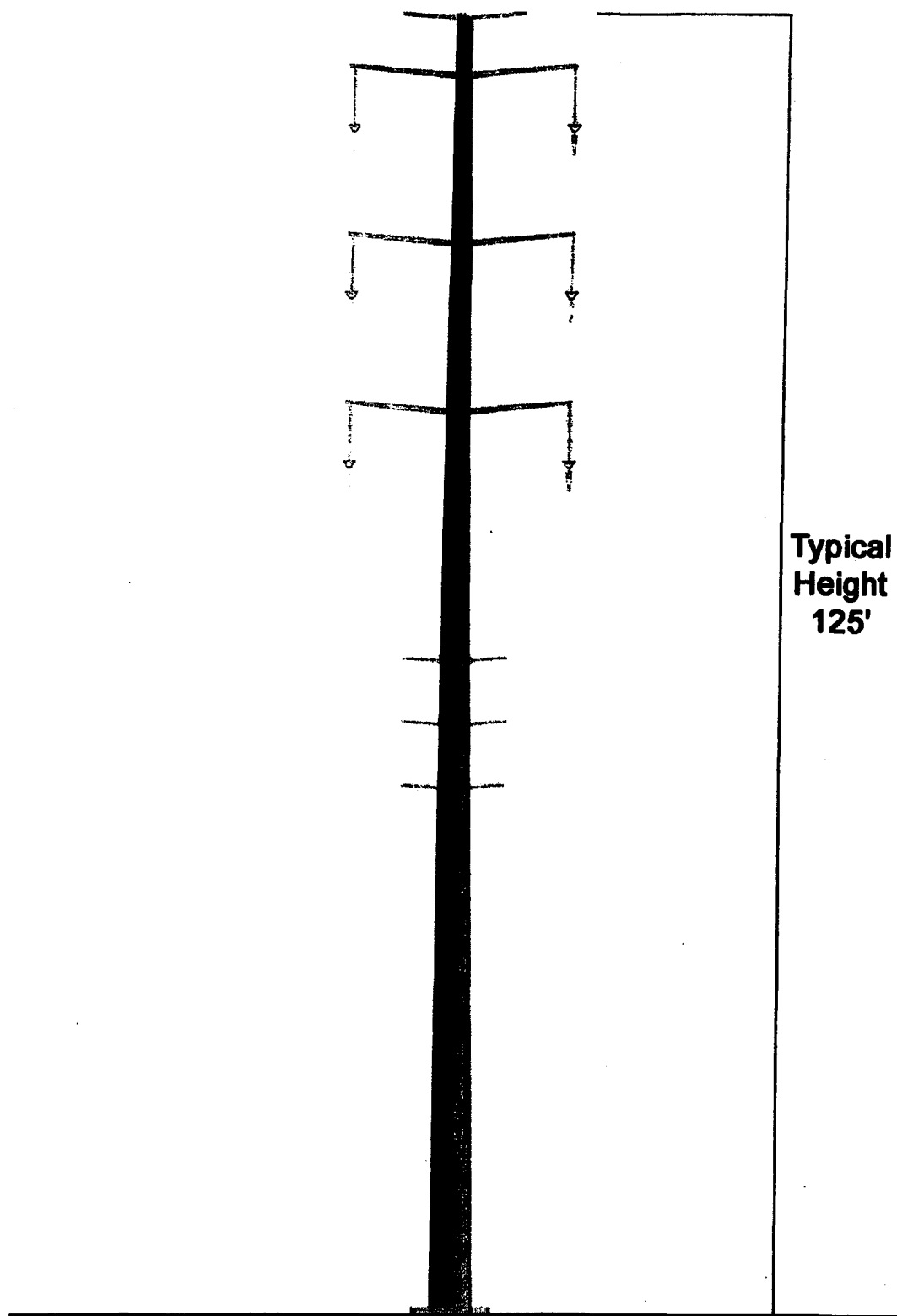
Sworn to and subscribed before me this 18 day of October, 2012.

  
Notary Public

My Commission expires:

3/2/15

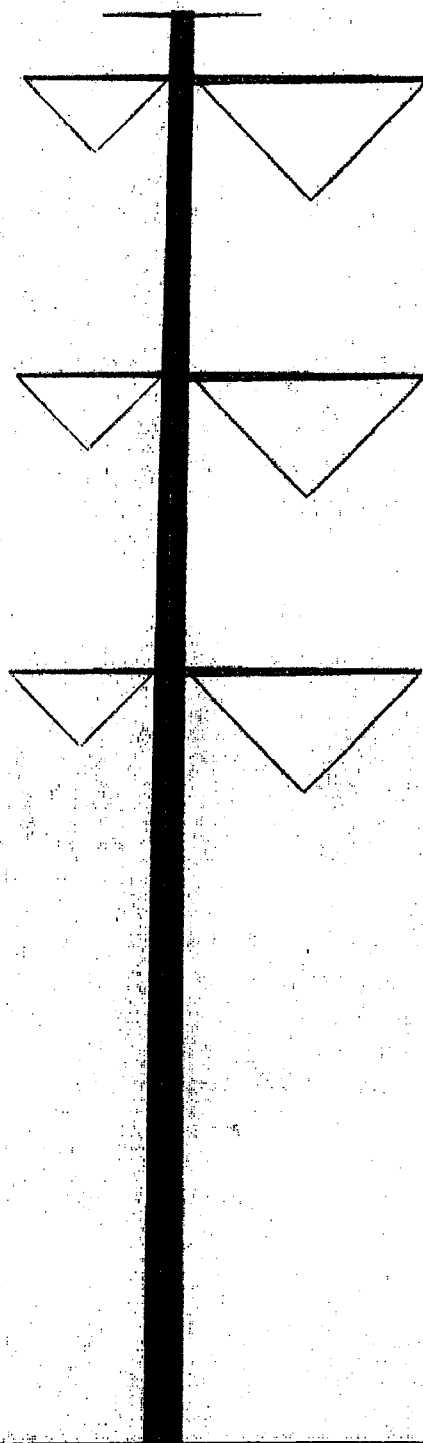




**EXHIBIT G-2**

**Typical 230kV Double-Circuit Tangent Steel Pole with Double-Circuit 69kV Underbuild**

APS North Valley  
230kV Transmission Line Project




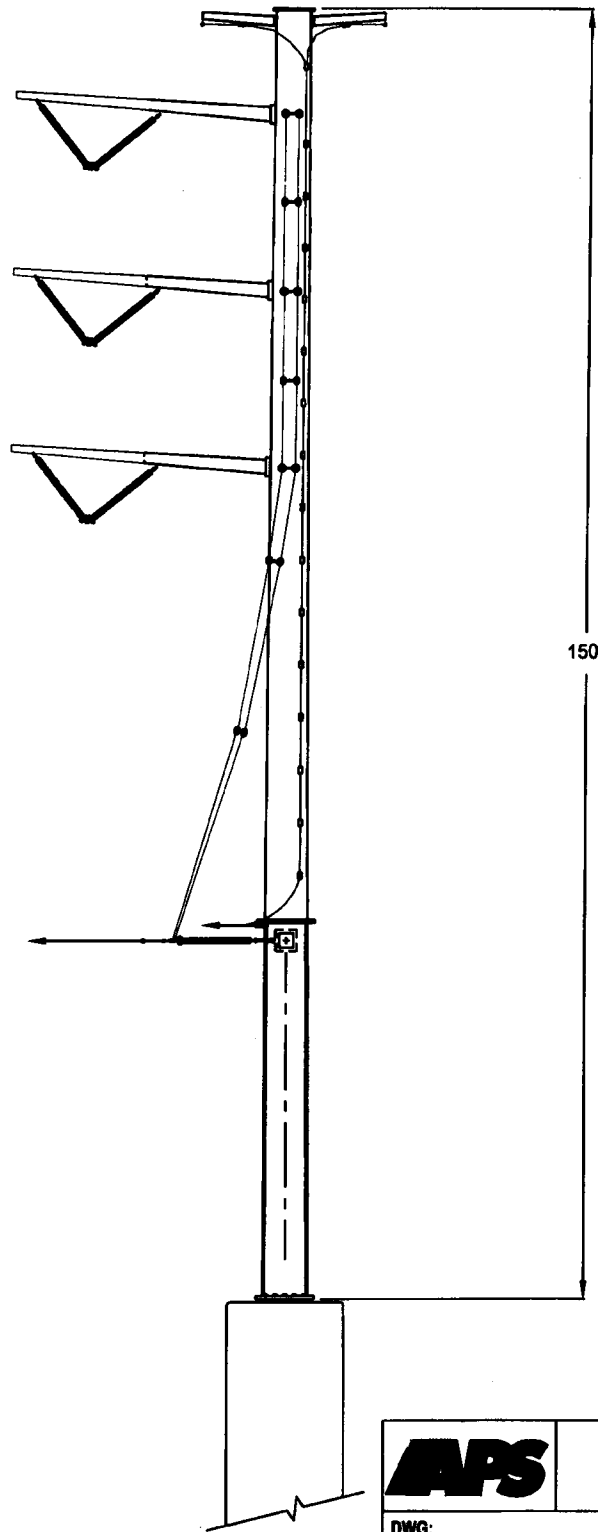
Typical Height  
150'-165'

**EXHIBIT G-2**  
Conceptual 500/230kV Steel Monopole Structure  
(Design Configuration #2)

DECISION NO. 69343



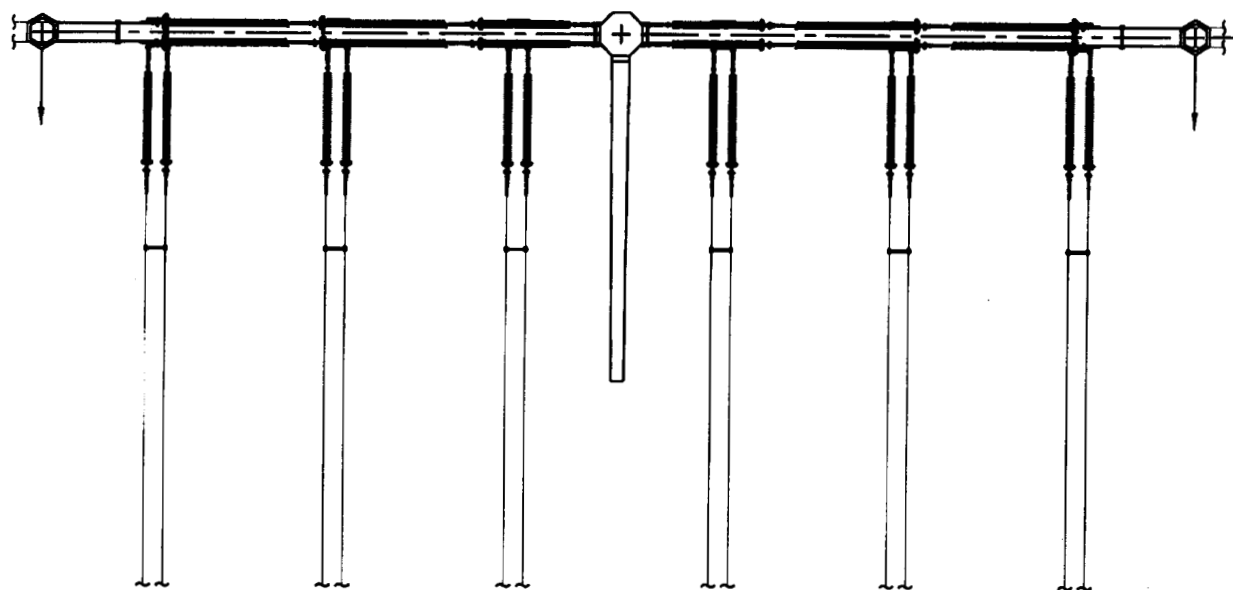
	<b>APS 230KV CUT-IN TO SCATTER WASH SUBSTATION</b> <b>MORGAN TO PINNACLE PEAK LINE</b> <b>STRUCTURE ?? ASSEMBLY DRAWING</b>	
	<b>DWG:</b>	
<b>WO#:</b>	<b>DATE:</b>	
<b>BY:</b>	<b>SCALE: NTS</b>	
<b>FILENAME:</b>	<b>SHEET:</b>	



SECTION B-B

<b>APS</b>		APS 230KV CUT-IN TO SCATTER WASH SUBSTATION MORGAN TO PINNACLE PEAK LINE STRUCTURE #?? ASSEMBLY DRAWING	
DWG:			
WO#:		DATE:	
BY:		SCALE: NTS	
FILENAME:		SHEET:	

x:\0044 - R.V. - Inc. Engineering\Projects\230KV Bus Substation Cut-in (Maha Tama)\Series\_000000-1.asd\assemblies.dwg Layer1 Sep 17, 2012 - 2:58pm



TO SCATTER WASH SUBSTATION

PLAN VIEW

<b>APS</b>	APS 230kV CUT-IN TO SCATTER WASH SUBSTATION	
	MORGAN TO PINNACLE PEAK LINE	
	STRUCTURE #?? ASSEMBLY DRAWING	
	DWG:	
	WO#:	DATE:
BY:	SCALE: NTS	
FILENAME:	SHEET:	

#1044 H:\-Line Engineering\Projects\230kV Apud Substation Cut-In (White Tower)\Scatter Wash\10000-1-scatterwash\_230kV.dwg Layout1 Sep 17, 2012 11:50am

**BEFORE THE ARIZONA CORPORATION COMMISSION**  
**Docket No. L-00000D-02-0120, Case 120**

**NOTICE OF OPEN MEETING**

An Open Meeting will be held by the Arizona Corporation Commission (Commission) regarding Arizona Public Service Company's (APS) request to extend the term of the Certificate of Environmental Compatibility (CEC) until June 18, 2023 and to amend the CEC for the North Valley 230kV Facility Project. APS's requested extension of time applies only to the Avery and Scatter Wash (formerly Misty Willow) 230kV substations. APS's proposed amendments to the CEC include the cancellation of the double circuit 230kV transmission line between the Raceway, Westwing and Pinnacle Peak substations.

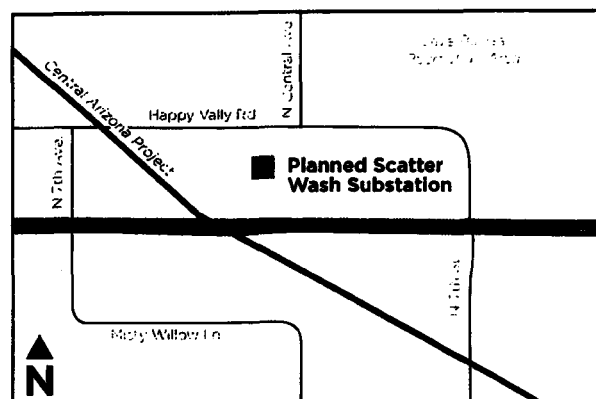
APS plans to construct the Scatter Wash substation on the north side of the existing electrical corridor and east of the CAP canal (see map below). Because of the substation location, APS plans to use a modified structure to interconnect the 230kV transmission line to the Scatter Wash substation. The Avery substation site is located approximately at Dove Valley Road alignment, ½ mile west of I-17 in Section 15, Township 5 North, Range 2 East.

The Open Meeting will be held at the Arizona Corporation Commission, 1200 West Washington Street, Phoenix, Arizona 85007, Hearing Room \_\_\_\_\_. The Open Meeting will be held on \_\_\_\_\_, 2012 at (insert time).

Questions on the project may be directed to Brad Larsen, Senior Siting Consultant, APS Transmission and Facility Siting Department at 602-493-4338 or by email at [brad.larsen@aps.com](mailto:brad.larsen@aps.com). A copy of the Company's application is available on the internet via the Commission's website at [www.azcc.gov](http://www.azcc.gov) using the eDocket function or at the Commission office.

**Legend**

- 500kV Power Line
- 230kV Power Line
- Pipeline
- 230/69kV Substation



# Exhibit C

**ORIGINAL NEW APPLICATION**

0000069080

Exhibit C  
Page 1 of 52

RECEIVED

BEFORE THE ARIZONA CORPORATION COMMISSION

MIKE GLEASON  
Chairman

2007 MAR 21 P 12:09

WILLIAM A. MUNDELL  
Commissioner

AZ CORP COMMISSION  
DOCUMENT CONTROL

Arizona Corporation Commission  
**DOCKETED**

JEFF HATCH-MILLER  
Commissioner

MAR 21 2007

KRISTIN K. MAYES  
Commissioner

DOCKETED BY	<i>AW</i>
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GARY PIERCE  
Commissioner

L-00000D-07-0164-0134

IN THE MATTER OF THE APPLICATION )  
OF ARIZONA PUBLIC SERVICE )  
COMPANY, PURSUANT TO ARIZONA )  
REVISED STATUTE § 40-252, FOR AN )  
AMENDMENT OF A.C.C. DECISION )  
NO. 65997. )

**APPLICATION TO AMEND  
A.C.C. DECISION NO. 65997**

Docket No.

Arizona Corporation Commission ("Commission") Decision No. 65997 (June 18, 2003) (Exhibit A) (Line Siting Case No. 120) approved a Certificate of Environmental Compatibility ("CEC") granted by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") for Arizona Public Service Company ("APS") to build a double-circuit 230kV transmission line between the Westwing Substation in Section 12, Township 4 North, Range 1 West, the Raceway Substation, Sections 4 and 5, Township 5 North, Range 1 East, and the Pinnacle Peak Substation, Section 10, Township 4 North, Range 4 East (the "Project"). Decision No. 65997 also approved the construction of the proposed Avery Substation at Section 15, Township 5 North, Range 2 East and the proposed Misty Willow Substation at Section 8, Township 4 North, Range 3 East.

On February 20, 2007, the Commission issued a new CEC in Decision No. 69343 (Exhibit B) (Line Siting Case No. 131) authorizing a 500/230kV transmission line

1 between the proposed TS-9 Substation in Section 33, Township 6 North, Range 1 East and  
2 the Pinnacle Peak Substation.

3 In accordance with Condition No. 29 of Decision No. 69343, APS respectfully  
4 requests that the Commission amend Decision No. 65997 to revoke approval of the  
5 double-circuit 230kV transmission line except for the Commission's prior approval of the  
6 portion of the Project between Westwing and Raceway substations. Also, in accordance  
7 with Condition No. 29, the approval of the proposed Avery and Misty Willow substations  
8 would remain in effect.

9 **PROPOSED CHANGE**

10 Specifically, APS proposes the following two amendments to Commission  
11 Decision No. 65997.

12 First, APS requests that the Commission add the following language to Decision  
13 No. 65997 as Condition No. 31: "Applicant shall not build that portion of the Project  
14 approved in this Case located between: (a) the intersection of the section line that  
15 designates the Dove Valley Road alignment and the existing Navajo-Westwing 500/230kV  
16 corridor; and (b) the Pinnacle Peak substation. Applicant retains the authorization to  
17 construct the Avery and Misty Willow substations (Decision No. 65997, Case No. 120,  
18 pages 3:15-17 and 4:9-11) and also that portion of the 230kV transmission line between  
19 the Westwing and Raceway substations (Decision No. 65997, page 3:5-13) as described,  
20 noticed and certificated in this Case No. 120."

21 That portion of the 230kV transmission line that APS wants to retain the  
22 authorization to build is just one 230kV circuit between Westwing and Raceway. APS  
23 also requests that this particular circuit be constructed on single circuit monopoles and that  
24 the authority for this particular circuit not expire for 15 years from the date of Decision  
25 No. 65997, which will be April 24, 2018. A conceptual model of the monopoles is  
26 depicted in Exhibit C.

1 Second, Condition 23 in Decision No. 65997 is no longer applicable because this  
2 condition has been superseded by Condition No. 24 in Decision No. 69343. Therefore,  
3 APS requests that the Commission revoke Condition 23 in Decision No. 65997. (*See*  
4 Decision No. 69343, Condition 29).

5 To assist the Commission in reviewing this Application, APS has attached the  
6 following exhibits:

7 Exhibit A is a copy of Commission Decision No. 65997 granting the CEC for the  
8 North Valley 230kV Facility Siting Project.

9 Exhibit B is a copy of Commission Decision No. 69343 granting the CEC for the  
10 TS-9 to Pinnacle Peak 500kV/230kV Transmission Line Project.

11 Exhibit C is a conceptual model of the single-circuit monopoles.

12 **CONCLUSION AND REQUEST**

13 APS respectfully requests that the Commission adopt the two proposed  
14 amendments to Decision No. 65997 pursuant to A.R.S. § 40-252. The factors that support  
15 these amendments are:

16 1. The amendments are necessary to implement Condition 29 in Decision No.  
17 69343 (Line Siting Case No. 131);

18 2. The approval of the amendments to Decision No. 65997 will provide public  
19 notice in Line Siting Case No. 120 of the impact of Decision No. 69343 (Line Siting Case  
20 No. 131) and;

21 3. The amendments provide clarity and consistency within the administrative  
22 record regarding the approval of the TS-9 to Pinnacle Peak 500kV/230kV Transmission  
23 Line Project;

1 RESPECTFULLY SUBMITTED this 21<sup>st</sup> day of March, 2007.

2 LEWIS AND ROCA LLP

3 

4 Thomas H. Campbell

5 Albert H. Acken

6 40 N. Central Avenue

7 Phoenix, Arizona 85004

8 - AND -

9 Karilee S. Ramaley

10 Pinnacle West Capital Corporation

11 P.O. Box 5300

12 Phoenix, Arizona 85399

Attorneys for Arizona Public Service Company

13 ORIGINAL and thirteen (13) copies  
14 of the foregoing filed this 21<sup>st</sup> day of  
March, 2007 with:

15 The Arizona Corporation Commission  
16 Utilities Division – Docket Control  
17 1200 W. Washington Street  
Phoenix, Arizona 85007

18  
19 COPY of the foregoing hand-delivered  
20 this 21<sup>st</sup> day of March, 2007 to:

21 Christopher C. Kempley  
22 Janice Alward  
23 Charles Hains  
24 Legal Division  
Arizona Corporation Commission  
25 1200 W. Washington Street  
Phoenix, Arizona 85007

1 Lyn Farmer, Chief Administrative Law Judge  
2 Hearing Division  
3 Arizona Corporation Commission  
4 1200 W. Washington Street  
5 Phoenix, Arizona 85007

6 Ernest Johnson, Director  
7 Utilities Division  
8 Arizona Corporation Commission  
9 1200 W. Washington Street  
10 Phoenix, Arizona 85007

11 Steve Taylor  
12 Utilities Division  
13 Arizona Corporation Commission  
14 1200 W. Washington Street  
15 Phoenix, Arizona 85007

16  
17 COPY of the foregoing mailed this  
18 21<sup>st</sup> day of March, 2007, to:

19 Laurie Woodall  
20 Office of the Attorney General  
21 1275 W. Washington Street  
22 Phoenix, Arizona 85007

23 Gary Yaquinto  
24 Arizona Utility Investors Association (AUIA)  
25 2100 North Central, Suite 210  
26 Phoenix, AZ 85004

C. Webb Crockett  
Fennemore Craig P.C.  
3003 N. Central Avenue  
Suite 2600  
Phoenix, Arizona 85012-2913  
(Attorneys for United Services Automobile Association [USAA])

1 Roles, Inc.  
2 c/o Roger K. Ferland  
3 Quarles & Brady Streich Lang LLP  
4 One Renaissance Square  
5 Two North Central Avenue  
6 Phoenix, AZ 85004-2391

7 Beverly Jackson  
8 27011 North 31<sup>st</sup> Drive  
9 Phoenix, AZ 85085

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## **EXHIBIT A**

0000026086

Exhibit C  
Page 8 of 52

BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

MARC SPITZER, Chairman  
JIM IRVIN  
WILLIAM A. MUNDELL  
JEFF HATCH-MILLER  
MIKE GLEASON

Arizona Corporation Commission

**DOCKETED**

JUN 18 2003

DOCKETED BY

DAH

IN THE MATTER OF THE APPLICATION OF ARIZONA  
PUBLIC SERVICE COMPANY, IN CONFORMANCE  
WITH THE REQUIREMENTS OF ARIZONA REVISED  
STATUTES SECTION 40-360, ET SEQ., FOR A  
CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE NORTH VALLEY 230kV FACILITY  
SITING PROJECT, INCLUDING THE CONSTRUCTION  
OF APPROXIMATELY 31 MILES OF 230kV  
TRANSMISSION LINES, TWO 230kV SUBSTATIONS,  
AND THREE SUBSTATION INTERCONNECTIONS IN  
MARICOPA COUNTY, ARIZONA, ORIGINATING AT  
THE WESTWING SUBSTATION IN SECTION 12,  
TOWNSHIP 4 NORTH, RANGE 1 WEST, G&SRB&M AND  
INTERCONNECTING AT THE RACEWAY SUBSTATION  
IN SECTIONS 4 AND 5, TOWNSHIP 5 NORTH, RANGE 1  
EAST, G&SRB&M, CONTINUING TO THE PROPOSED  
AVERY SUBSTATION IN SECTION 15, TOWNSHIP 5  
NORTH, RANGE 2 EAST, G&SRB&M AND THE  
PROPOSED MISTY WILLOW SUBSTATION IN SECTION  
8, TOWNSHIP 4 NORTH, RANGE 3 EAST, G&SRB&M,  
AND TERMINATING AT THE PINNACLE PEAK  
SUBSTATION IN SECTION 10, TOWNSHIP 4 NORTH,  
RANGE 4 EAST, G&SRB&M.

CASE NO. 120

Docket No. L-00000D-02-0120

DECISION NO. 65997

The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to  
A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental  
Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee  
("Committee") is granted as modified and amended by this Order.

The Commission modifies the CEC to add the following condition:

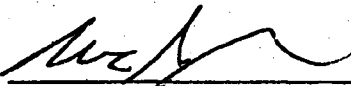
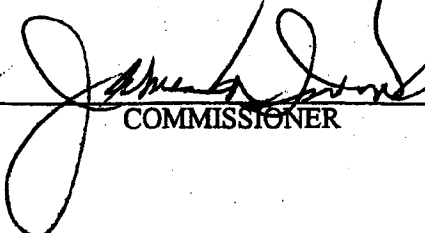
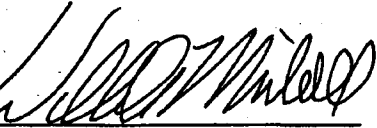

30. Applicant shall work with developers along the route to include the identity and  
location of the certificated route in the developers' homeowners disclosure statements.

The Commission finds and concludes that: (1) the Project is in the public interest because it  
aids the state in meeting the need for an adequate, economical and reliable supply of electric power;

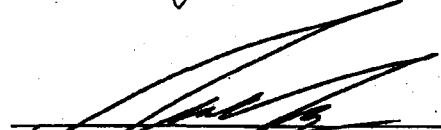
1 (2) in balancing the need for the Project with its effect on the environment and ecology of the state,  
2 the conditions placed on the CEC by the Committee and the Commission, effectively minimize its  
3 impact on the environment and ecology of the state; (3) the conditions placed on the CEC by the  
4 Committee and the Commission, resolve matters concerning the need for the Project and its impact  
5 on the environment and ecology of the state raised during the course of proceedings, and as such,  
6 serve as the findings on the matters raised; and, (4) in light of these conditions, the balancing in the  
7 public interest results in favor of granting the CEC as modified by the Commission.

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1 THE CEC ISSUED BY THE SITING COMMITTEE IS  
2 INCORPORATED HEREIN AND IS  
3 APPROVED AS AMENDED BY THIS ORDER OF THE  
4 ARIZONA CORPORATION COMMISSION

5  
6  
7  CHAIRMAN  COMMISSIONER  COMMISSIONER  
8  
9  COMMISSIONER  
10

11 IN WITNESS WHEREOF, I, JAMES G. JAYNE, Interim  
12 Executive Secretary of the Arizona Corporation Commission,  
13 have hereunto, set my hand and caused the official seal of the  
14 Commission to be affixed at the Capitol, in the City of Phoenix,  
15 this 18<sup>th</sup> day of June, 2003.

16   
17 JAMES G. JAYNE  
18 Interim Executive Secretary

19 DISSENT: \_\_\_\_\_  
20  
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28

**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION OF  
ARIZONA PUBLIC SERVICE COMPANY IN  
CONFORMANCE WITH THE REQUIREMENTS  
OF ARIZONA REVISED STATUTES SECTION  
40-360, ET SEQ., FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE NORTH VALLEY 230KV  
FACILITY PROJECT, CASE NO. 120  
INCLUDING THE CONSTRUCTION OF  
APPROXIMATELY 31 MILES OF 230KV  
TRANSMISSION LINES, TWO 230KV  
SUBSTATIONS, AND THREE SUBSTATION  
INTERCONNECTIONS IN MARICOPA  
COUNTY, ARIZONA, ORIGINATING AT THE  
WESTWING SUBSTATION IN SECTION 12,  
TOWNSHIP 4 NORTH, RANGE 1 WEST,  
G&SRB&M AND INTERCONNECTING AT THE  
RACEWAY SUBSTATION IN SECTIONS 4  
AND 5, TOWNSHIP 5 NORTH, RANGE 1 EAST,  
G&SRB&M, CONTINUING TO THE PROPOSED  
AVERY SUBSTATION IN SECTION 15,  
TOWNSHIP 5 NORTH, RANGE 2 EAST,  
G&SRB&M AND THE PROPOSED MISTY  
WILLOW SUBSTATION IN SECTION 8,  
TOWNSHIP 4 NORTH, RANGE 3 EAST,  
G&SRB&M, AND TERMINATING AT THE  
PINNACLE PEAK SUBSTATION IN SECTION  
10, TOWNSHIP 4 NORTH, RANGE 4 EAST,  
G&SRB&M.

Docket No. L-00000D-02-0120

CASE NO. 120

**CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

Pursuant to notice given as provided by law, the Arizona Power Plant and Transmission  
Line Siting Committee (the "Committee") held public hearings on November 25-26, 2002,  
January 27, 2003, January 29, 2003, March 24, 2003 and March 26, 2003, all in conformance

**DECISION NO. 65997**

1 with the requirements of Arizona Revised Statutes § 40-360, *et seq.*, for the purpose of  
2 receiving evidence and deliberating on the Application of Arizona Public Service Company  
3 ("Applicant") for a Certificate of Environmental Compatibility in the above-captioned case.

4 A route tour was conducted on January 27, 2003.

5 The following members and designees of members of the Committee were present for  
6 the deliberations and vote on the Application at the January 29, 2003 hearing:

7 Laurie Woodall Chairman, Designee for Arizona Attorney General,  
8 Terry Goddard

9 Ray Williamson Designee for Chairman, Arizona Corporation  
10 Commission

11 Richard Tobin Designee for Director, Arizona Department of  
12 Environmental Quality

13 Mark McWhirter Designee for Director, Energy Department, Arizona  
14 Department of Commerce

15 Margaret Trujillo Appointed Member

16 A. Wayne Smith Appointed Member

17 Michael Whalen Appointed Member

18 Michael Palmer Appointed Member

19 The Applicant was represented by Jeffrey B. Guldner and Lisa M. Coulter of Snell &  
20 Wilmer L.L.P. and C. David Martinez of Pinnacle West Capital Corporation. The following  
21 parties were granted intervention pursuant to A.R.S. § 40-360.05: Arizona Corporation  
22 Commission Staff, represented by Janice M. Alward and Jason D. Gellman; Walter Meek, pro  
23 se; United Services Automobile Association, represented by C. Webb Crockett of Fennemore  
24 Craig, P.C.; Roles Inc., represented by Roger K. Ferland and Laura Raffaelli of Quarles &  
25 Brady Streich Lang L.L.P.; and Beverly Jackson, pro se.

26 At the conclusion of the hearings, the Committee, having received the Application, the

1 appearances of the parties, the evidence, testimony and exhibits presented at the hearings, and  
2 being advised of the legal requirements of Arizona Revised Statutes §§ 40-360 to 40-360.13,  
3 upon motion duly made and seconded, voted unanimously to grant the Applicant the following  
4 Certificate of Environmental Compatibility (Case No. 120):

5         The North Valley project route (depicted on Exhibit A, attached hereto) will  
6 originate at the Westwing Substation in Section 12, Township 4 North, Range 1 West,  
7 and parallel an existing 500/230kV transmission line corridor northeast (approximately  
8 3.1 miles) to the section line that designates the Dove Valley Road alignment. At that  
9 point, a radial line will extend northeast for approximately 1.7 miles interconnecting  
10 with the 230/69kV Raceway Substation in Sections 4 and 5, Township 5 North, Range  
11 1 East. From the Westwing Substation north to Raceway Substation this portion of the  
12 route will include a 1,500-foot corridor extending to the east from the westernmost  
13 edge of the exiting transmission line right-of-way. From the point where the radial line  
14 is extended, the route continues east along the section line associated with the Dove  
15 Valley Road alignment for approximately 8.3 miles to the proposed Avery Substation,  
16 located approximately ½ mile west of I-17 in Section 15, Township 5 North, Range 2  
17 East. There will be a 1,500-foot corridor on each side of the section line that designates  
18 the Dove Valley Road alignment in this area. From that point the line will continue  
19 south along the 39<sup>th</sup> Avenue alignment for 1.0 mile to the section line that designates  
20 the Lone Mountain Road alignment. The route then crosses Sections 22 and 23,  
21 Township 5 North, Range 2 East, on the diagonal to meet I-17, where the 69 kV crosses  
22 I-17 at a point identified as Latitude 33.7671852 and Longitude -112.128662. In this  
23 area, there will be a 1,000-foot corridor on each side of the proposed centerline of the  
24 route. The route then continues south paralleling the west side of I-17 to a point  
25 approximately 1.0 mile north of Happy Valley Road and immediately south of Skunk  
26 Creek. There will be a 1,000-foot corridor west of the controlled access for I-17. At

1 this point the route parallels the south side of Skunk Creek for approximately 0.1 mile  
2 to the 29<sup>th</sup> Avenue alignment where it turns south and parallels the 29<sup>th</sup> Avenue  
3 alignment to a point approximately 0.25 miles south of Happy Valley Road. Along  
4 Skunk Creek and the 29<sup>th</sup> Avenue alignment there will be a 1,000-foot corridor on  
5 either side of the proposed centerline, except that the corridor shall not extend beyond  
6 the western boundary of the controlled access for I-17. At this point the route will turn  
7 east and cross I-17 approximately 0.25 miles south of Happy Valley Road and parallel  
8 the existing 230 kV transmission line corridor for approximately 2.5 miles,  
9 interconnecting with the proposed Misty Willow Substation located south of the  
10 existing transmission corridor and west of the CAP in Section 8, Township 4 North,  
11 Range 3 East. At this point, the route then continues east and parallel to the 230kV  
12 transmission line corridor, terminating at the Pinnacle Peak Substation in Section 10,  
13 Township 4 North, Range 4 East. In the area from I-17 east to the Pinnacle Peak  
14 Substation, there will be a 1,000-foot corridor north of the centerline of the existing  
15 Salt River Project ("SRP") transmission line.

16  
17 With the exception of turning structures, the Project shall, at a maximum, be  
18 constructed on double-circuit monopoles with the capability for double circuit 69 kV  
19 underbuild from the Westwing Substation to the west side of 23<sup>rd</sup> Avenue, and shall be  
20 constructed on double-circuit lattice towers for the remainder of the Project.  
21 Notwithstanding the foregoing, between 23<sup>rd</sup> Avenue and the Misty Willow Substation,  
22 the Project may be constructed either on double-circuit monopoles with capability for  
23 double-circuit 69 kV underbuild or double-circuit lattice towers to match structure  
24 types with the existing SRP transmission line.

25 This Certificate is granted upon the following conditions:  
26

1. The Applicant shall obtain all required approvals and permits necessary to construct the Project.
2. The Applicant shall comply with all existing applicable air and water pollution control standards and regulations, and with all existing applicable ordinances, master plans and regulations of the State of Arizona, the County of Maricopa, the United States, and any other governmental entities having jurisdiction.
3. (a) This authorization to construct the Project shall expire 10 years from the date the Certificate is approved by the Arizona Corporation Commission unless construction is completed to the point that the first circuit of the Project is capable of operating by that time; provided, however, that the authorization to construct the second circuit of the Project shall expire 15 years from date of this Certificate; and further provided, however, that prior to either such expiration the Applicant or its assignees may request that the Commission extend this time limitation.  
  
(b) Prior to constructing any segment of the Project (except for the segment on the Roles Property), Applicant shall file with the Commission technical studies showing the feasibility of interconnecting the Table Mesa 500 kV substation with the Project. These technical studies should determine (i) the impact of the proposed new Phoenix area transmission import delivery point on Phoenix area Reliability Must Run ("RMR") generation requirements, and (ii) the impact on staging and necessity of 230 kV elements authorized for construction in this CEC. As part of those studies, Applicant shall investigate the impacts of interconnecting the Westwing to Navajo 500 kV transmission line(s) into the Table Mesa substation prior to constructing the Palo Verde to Table Mesa 500 kV line. Such studies are to be performed in a collaborative transmission planning study forum such as the ten-year Phoenix area RMR study required by January 31, 2004 or the Central Arizona Transmission Study forum.  
  
(c) Prior to constructing any segment of the Project (except for the segment on the Roles Property), Applicant shall submit a report to the ACC Utilities Division Staff showing how the design appropriately balances pole height, location and span with system reliability. The report shall also demonstrate that any system

consolidation shall not detrimentally impact system reliability at the time of construction.

4. The Applicant shall make every reasonable effort to identify and correct, on a case-specific basis, all complaints of interference with radio or television signals from operation of the transmission line and related facilities addressed in this Certificate. In addition to any transmission repairs, relevant corrective actions may include adjusting or modifying receivers; adjusting, repairing, replacing or adding antennas, antenna signal amplifiers, filters, or lead-in cables; or other corrective actions.

The Applicant shall maintain written records for a period of five years of all complaints of radio or television interference attributable to operation, together with the corrective action taken in response to each complaint. All complaints shall be recorded to include notations on the corrective action taken. Complaints not leading to a specific action or for which there was no resolution shall be noted and explained. The record shall be signed by the Applicant and also the complainant, if possible, to indicate concurrence with the corrective action or agreement with the justification for a lack of action.

5. The North Valley Project shall comply with applicable noise standards of the federal Department of Housing and Urban Development and the Environmental Protection Agency.
6. The Applicant shall continue to consult with the State Historic Preservation Office ("SHPO") to reach a determination of any cultural or archeological impacts as a result of construction activities. If the result is a determination of negative impact, the Applicant shall continue to consult with the SHPO to resolve the negative impacts. The Applicant will provide a treatment plan, to minimize impacts, for SHPO review and approval and shall continue to consult with SHPO to resolve any such impacts. The Applicant shall avoid and/or minimize impacts to properties considered eligible for inclusion in the State and National Register of Historic Places to the extent possible.
7. If the Applicant determines that historic-period structures Beardsley Canal and Black Canyon Road and archaeological sites AZ T:7:192 (ASM), AZ T:3:1 (MNA) and AZ T:3:2 (MNA)

cannot be avoided, then the Applicant shall plan and implement a mitigation program in consultation with SHPO.

8. If human remains and/or funerary objects are encountered during the course of any ground disturbing activities relating to the development of the subject property, Applicant shall cease work on the affected area of the Project and notify the Director of the Arizona State Museum in accordance with A.R.S. § 41-865.
9. Applicant shall retain an archeologist on site during construction activities in applicable areas, as determined by SHPO, to advise them in connection with any additional archeological studies that may be required and any mitigation efforts for archeological sites that may be affected by the construction of the Project.
10. After construction, the Applicant, in conjunction with any applicable land managing agency, shall allow Arizona Site Stewards, a volunteer-staffed SHPO program, to periodically inspect the sites within the corridor for vandalism or other damage.
11. The Applicant shall follow the Arizona State Land Department's instructions, if any, regarding the treatment of State Register of Historic Places-eligible properties situated on Arizona State Land Department land in consultation with SHPO.
12. In consultation with SHPO and the land-managing agency, the Applicant will consider and assess potential direct and indirect impacts to eligible properties related to new access roads or any existing access roads that require blading.
13. The Applicant shall design the transmission lines so as to minimize impacts to raptors.
14. Where practicable, the Applicant shall use existing roads for construction and access. The Applicant shall minimize vegetation disturbance, particularly in drainage channels and along stream banks, and shall re-vegetate or restore areas of construction disturbance.
15. The Applicant shall use non-specular conductor and dulled surfaces for transmission line structures.

16. Within 45 days of securing easement or right of way for the Project, the Applicant shall erect and maintain signs providing public notice that the property is the site of a future transmission line. Such signage shall be no smaller than a normal roadway sign. The Applicant shall place signs in prominent locations at reasonable intervals such that the public is notified along the full length of the transmission line until the transmission structures are constructed. There must also be signs at the location of the proposed substations. The signs shall advise:

- that the site has been approved for the construction of Project facilities including a 230 kV transmission line, as applicable to the individual site;
- the expected date of completion of the Project facilities; and
- a phone number for public information regarding the Project.

17. In the event that the Project requires an extension of the term of this Certificate prior to completion of construction, Applicant shall use reasonable means to directly notify all landowners and residents within a one-half mile radius of the Project facilities for which the extension is sought. Such landowners and residents shall be notified of the time and place of the proceeding in which the Commission shall consider such request for extension.

18. Before construction on this Project may commence, the Applicant must file a construction mitigation and restoration plan with ACC Docket Control with copies to affected areas of jurisdiction. The Applicant shall, within one year of completion of construction of the Project, rehabilitate to its original state any area disturbed by construction of the Project, except for any road that may be necessary to access the transmission lines or substation sites for maintenance and repair.

The goals of the Plan will be to:

- Avoid impacts where practical;
- Where impacts are unavoidable, minimize impacts; and
- Focus on site preparation to facilitate natural processes of revegetation

Other key elements of the Plan, when not inconsistent with the respective land management agencies' or local owners' requirements, are to:

- Emphasize final site preparation to encourage natural revegetation
- Avoid (i.e., preserve), where practical, mature native trees;
- Stipulate a maximum construction corridor width;
- Reserve topsoil and native plant materials from right-of-way before grading, and respread over the right-of-way after construction is complete;
- Imprint the restored right-of-way to provide indentations to catch seed and water;
- Implement best management practices to protect the soil;
- Apply restoration methods that have been shown to work in the desert environment; and
- Prevent the spread of noxious weeds or other undesirable species.

A separate construction mitigation and restoration plan shall be submitted for the conducting of the second circuit on the Project if such conducting does not occur at the same time as the remainder of the Project is constructed.

19. Applicant shall retain a qualified biologist to monitor all ground clearing/disturbing construction activities that may affect sensitive habitat. The biological monitor will be responsible for ensuring proper actions are taken if a special status species is encountered. If Sonoran desert tortoises are encountered during construction, the Applicant shall follow the Arizona Game & Fish Department's Guidelines for Handling Sonoran Desert Tortoises.
20. Applicant shall salvage mesquite, ironwood, saguaro and palo verde trees removed during project construction activities consistent with Arizona's Native Plant Law and use the vegetation for reclamation in or near its original location.
21. Applicant shall implement landscaping for the substation sites in accordance with the applicable municipal planning and zoning requirements.
22. The Applicant shall submit a self-certification letter annually,

1 identifying which conditions contained in the Certificate have  
2 been met. Each letter shall be submitted to the Utilities Division  
3 Director on December 1, beginning in 2004. Attached to each  
4 certification letter shall be documentation explaining, in detail,  
5 how compliance with each condition was achieved. Copies of  
6 each letter, along with the corresponding documentation, shall  
7 also be submitted to the Arizona Attorney General, Department of  
8 Water Resources, and Department of Commerce Energy Office.

9  
10 23. For that segment of the route that crosses the planned Happy  
11 Valley Road Towne Center property leased by Roles and located  
12 at the southeast corner of I-17 and Happy Valley Road ("Roles  
13 Segment"), Applicant shall:

- 14 (a) Construct 230 kV double-circuit tangent steel monopoles  
15 and relocate the existing 69 kV transmission line to such  
16 monopoles at Applicant's expense;
- 17 (b) Match spans with existing structures that shall have a  
18 minimum ground clearance equal to or greater than the  
19 ground clearance of the existing lines on the Roles  
20 Segment;
- 21 (c) Use commercially reasonable efforts to locate structures  
22 within the existing transmission line easement across the  
23 property;
- 24 (d) Work in good faith with Roles, Salt River Project, and the  
25 Western Area Power Administration to facilitate the  
26 reconstruction of the existing 230 kV transmission  
structures on the property as monopoles, with the costs of  
such reconstruction to be allocated as agreed to by  
Applicant and Roles;
- (e) Construct Applicant's monopoles on the property within  
one year of the effective date of this Certificate provided  
that Roles has final, approved plans and permits to  
construct at that time and has commenced construction;  
however, if Roles has not accomplished the foregoing  
within one year of the Effective Date of the Certificate,  
Applicant's obligation to construct shall be at such time

that Roles has final, approved plans and permits to construct and has commenced construction;

- (f) Relocate Applicant's existing 69 kV transmission line within the same period described in (e), provided that an outage on the 69 kV transmission line can be safely and reliably taken during that period.

24. Applicant shall continue to coordinate this Project with both SRP and Western Area Power Administration ("WAPA") to ensure that all possible projects are maximally integrated, taking into account serving Arizona's growing need for electrical service, ensuring reliability for the Project and the Arizona Transmission System and minimizing any and all adverse environmental impacts. Applicant shall provide to the ACC written confirmation of continuing efforts at coordination as described above as part of its compliance with this Certificate.

25. With respect to the Project, Applicant shall participate in good faith in state and regional transmission study forums, and shall coordinate transmission expansion plans related to the Project to resolve transmission constraints in a timely manner.

26. The following condition is to ensure transmission system safety and reliability when a transmission structure is placed within one hundred feet of a natural gas or hazardous liquid pipeline right of way, excluding distribution lines as defined by the Code of Federal Regulations. Under such circumstances, the Applicant shall:

- (a) Provide the appropriate grounding and cathodic protection studies to show that the transmission line results in no material adverse impacts to such natural gas or hazardous liquid pipeline, whose right of way is a hundred feet or less from the transmission structure, when both are in operation. A report of studies shall be provided to the ACC by the Applicant as part of its compliance with the Certificate. If material adverse impacts are noted in the studies, Applicant shall take appropriate steps to ensure such material adverse impacts are eliminated. Applicant shall provide to the ACC written documentation of the

actions that were taken and provide documentation showing that no material adverse impacts are occurring.

- (b) Adopt a written mitigation plan outlining any and all steps taken to protect all electric facilities associated with the transmission line as a result of this Project from any potential hazards that could occur whenever a transmission line structure is placed 100 feet or less from any such pipeline right of way. The plan shall indicate what corrective action will be taken to mitigate any potential hazard that could occur. A potential hazard includes, but is not limited to, a rupture or explosion resulting from the pipeline. The written mitigation plan shall be provided to the ACC by the Applicant as part of its compliance with this Certificate and shall be subject to approval from Commission Staff. Applicant shall implement the written mitigation plan during a hazard as part of its compliance with this Certificate.

27. The Applicant shall provide copies of this Certificate to appropriate city and county planning agencies.
28. In the final siting of this line, Applicant will work in good faith to offset lines approximately ¼ mile from the Dove Valley Road alignment.
29. Applicant shall make good faith effort to work with affected municipalities and land management agencies to encourage future development to move major arterials away from major transmission corridors.

GRANTED this 24<sup>th</sup> day of April, 2003.

THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE

By: Laurie A. Woodall  
Laurie A. Woodall, Chairman

APPROVED BY ORDER OF THE ARIZONA CORPORATION COMMISSION

[Signature]  
Chairman

[Signature]  
Commissioner

[Signature]  
Commissioner

[Signature]  
Commissioner

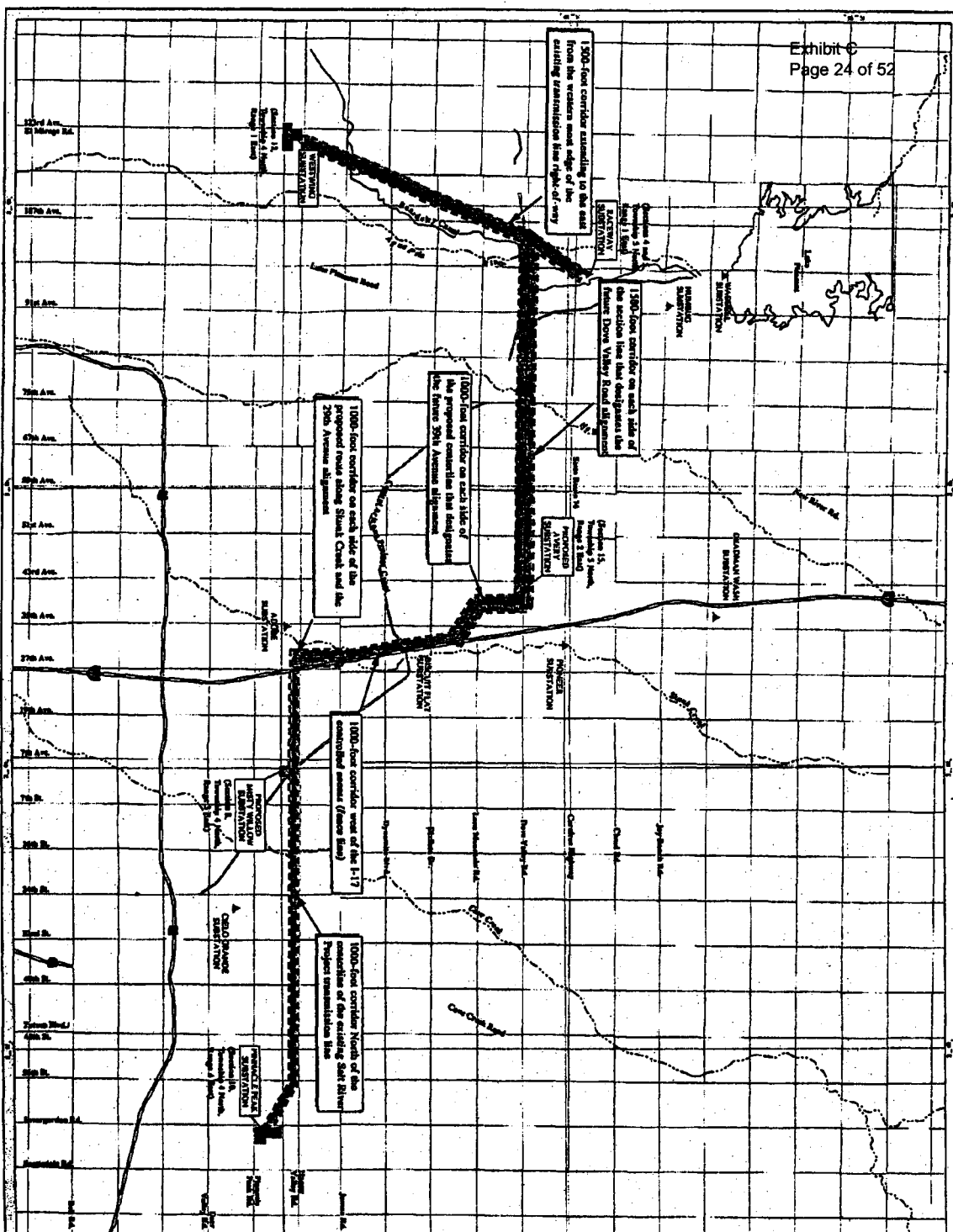
[Signature]  
Commissioner

In Witness Hereof, I, Brian C. McNeil, Executive Secretary of the Arizona Corporation Commission, set my hand and cause the official seal of this Commission to be affixed, this 18<sup>th</sup> day of June, 2003.

By: [Signature]  
James G. Jayne  
Interim Executive Secretary

Dissent: \_\_\_\_\_

237239/cg



North Valley Project Route and Corridor Description	Project Description	Project Location	Project Status	Project Funding	Project Timeline	Project Contact
North Valley Project Route and Corridor Description	Project Description	Project Location	Project Status	Project Funding	Project Timeline	Project Contact

**NORTH VALLEY**

Proposed Route Corridor

### **General Reference Features**

- Interstate/Highway
- Section Line
- Lake
- Seasonal River
- Canal
- ▲ / ■ Existing Substation



**Business:**  
Ludwig's Lady Industries, Inc. Inc.,  
Adams, The Lady Emporium and Adams  
Ludwig's Ladies' Specialty Shop, New York

Scale 1: 62,549



# 7APS

**DECISION NO. 65997**

## **EXHIBIT B**

BEFORE THE ARIZONA CORPORATION COMMISSION

Exhibit C  
Page 26 of 52

**COMMISSIONERS**

**FEB 26 2007**

Jeff Hatch-Miller, Chairman  
William A. Mundell  
Mike Gleason  
Kristin K. Mayes  
Gary Pierce

Arizona Corporation Commission

**DOCKETED**

**FEB 20 2007**

DOCKETED BY

*nr*

IN THE MATTER OF THE APPLICATION OF  
ARIZONA PUBLIC SERVICE COMPANY IN  
CONFORMANCE WITH THE REQUIREMENTS  
OF ARIZONA REVISED STATUTES SECTION  
40-360, *et seq.*, FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE TS-9 TO PINNACLE  
PEAK 500Kv/230Kv TRANSMISSION LINE  
PROJECT WHICH INCLUDES A 500Kv/  
TRANSMISSION LINE, A 230Kv  
TRANSMISSION LINE AND ASSOCIATED  
FACILITIES AND INTER-CONNECTION  
ORIGINATING FROM THE PROPOSED TS-9  
SUBSTATION LOCATED SOUTH OF SR74 IN  
PEORIA, AT SECTION 33, TOWNSHIP 6  
NORTH, RANGE 1 EAST, G&SRB&M, TO THE  
EXISTING PINNACLE PEAKE SUBSTATION  
LOCATED NEAR 64<sup>TH</sup> STREET AND  
PINNACLE PEAK ROAD IN PHOENIX, AT  
SECTION 10, TOWNSHIP 4 NORTH, RANGE 4  
EAST, G&SRB&M.

DOCKET NO. L-00000D-06-0635-00131

CASE NO. 131

DECISION NO. **69343**

The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") is hereby granted as modified by this Order.

The Commission modifies the CEC by deleting condition 12 and substituting a new condition 12 as follows:

12. Pursuant to A.R.S. § 41-844, if any archaeological, paleontological or historical site or object that is at least fifty years old is discovered on state, county or municipal land during plan-

Exhibit C

1 related activities, the person in charge shall promptly report the discovery to the ~~Director~~ of the  
 2 Arizona State Museum, and in consultation with the Director, shall immediately take all reasonable  
 3 steps to secure and maintain the preservation of the discovery. If human remains and/or funerary  
 4 objects are encountered on private land during the course of any ground-disturbing activities relating  
 5 to the development of the subject property, Applicant shall cease work on the affected area of the  
 6 Project and notify the Director of the Arizona State Museum pursuant to A.R.S. § 41-865.

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1 The Commission further finds and concludes that: (1) the Project is in the public interest  
 2 because it aids the state in meeting the need for an adequate, economical and reliable supply of  
 3 electric power; (2) in balancing the need for the Project with its effect on the environment and  
 4 ecology of the state, the conditions placed on the CEC by the Committee as modified by the  
 5 Commission effectively minimize its impact on the environment and ecology of the state; (3) the  
 6 conditions placed on the CEC by the Committee as modified by the Commission resolve matters  
 7 concerning the need for the Project and its impact on the environment and ecology of the state raised  
 8 during the course of proceedings, and as such, serve as the findings on the matters raised; and (4) in  
 9 light of these conditions, the balancing in the broad public interest results in favor of granting the  
 10 CEC as modified by the Commission.

11 **THE CEC ISSUED BY THE SITING COMMITTEE IS INCORPORATED HEREIN**

12 **AND IS APPROVED AS MODIFIED BY THE COMMISSION**

13 **BY ORDER OF THE ARIZONA CORPORATION COMMISSION**

14 *Jeffrey M. Hatch-Miller*  
 15 CHAIRMAN

*Will A. Moore*  
 COMMISSIONER

16 *Louise L. Hession*  
 17 COMMISSIONER

*John M. [Signature]*  
 18 COMMISSIONER

*Gary L. Quinn*  
 COMMISSIONER

19 IN WITNESS WHEREOF, I BRIAN C. MCNEIL, Executive  
 20 Director of the Arizona Corporation Commission, have  
 21 hereunto, set my hand and caused the official seal of this  
 22 Commission to be affixed at the Capital, in the City of Phoenix,  
 23 this 20th day of February, 2007.

24 *Brian C. McNeil*  
 25 BRIAN C. MCNEIL  
 Executive Director

26 DISSENT: \_\_\_\_\_

28 DISSENT: \_\_\_\_\_

**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY IN CONFORMANCE WITH  
THE REQUIREMENTS OF ARIZONA  
REVISED STATUTES SECTION 40-360,  
*et seq.*, FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE TS-9 TO PINNACLE  
PEAK 500kV/230kV TRANSMISSION LINE  
PROJECT WHICH INCLUDES A 500kV  
TRANSMISSION LINE, A 230kV  
TRANSMISSION LINE AND  
ASSOCIATED FACILITIES AND INTER-  
CONNECTIONS ORIGINATING FROM  
THE PROPOSED TS-9 SUBSTATION  
LOCATED SOUTH OF SR74 IN PEORIA,  
AT SECTION 33, TOWNSHIP 6 NORTH,  
RANGE 1 EAST, G&SRB&M, TO THE  
EXISTING PINNACLE PEAK  
SUBSTATION LOCATED NEAR 64<sup>TH</sup>  
STREET AND PINNACLE PEAK ROAD  
IN PHOENIX, AT SECTION 10,  
TOWNSHIP 4 NORTH, RANGE 4 EAST,  
G&SRB&M.

Docket No. L-00000D-06-0635-00131

Case No. 131

**CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

Pursuant to notice given as provided by law, the Arizona Power Plant and  
Transmission Line Siting Committee (the "Committee") held public hearings on  
November 27 and 28, and December 11 and 12, 2006, all in conformance with the  
requirements of Arizona Revised Statutes ("A.R.S.") § 40-360, *et seq.*, for the purpose of  
receiving evidence and deliberating on the Application of Arizona Public Service  
Company ("Applicant") for a Certificate of Environmental Compatibility ("Certificate") in  
the above-captioned case (the "Project").

**DECISION NO. 69343**

1       The following members and designees of members of the Committee were present  
2 at one or more of the hearings for the evidentiary presentations and/or for the  
3 deliberations:

4       Laurie Woodall                   Chairman, Designee for Arizona Attorney General,  
5 Terry Goddard

6       David L. Eberhart, P.E.       Designee for Chairman, Arizona Corporation  
7 Commission

8       Ed Ranger                   Designee for Director, Arizona Department of  
9 Environmental Quality

10      Jim Arwood                  Designee for Director, Energy Department, Arizona  
11 Department of Commerce

12      Jeff McGuire               Appointed Member

13      Michael Palmer             Appointed Member

14      Joy Rich                  Appointed Member

15      A. Wayne Smith           Appointed Member

16      Michael Whalen           Appointed Member

17      The Applicant was represented by Thomas H. Campbell and Albert H. Acken of  
18 Lewis and Roca LLP, and Karilee S. Ramaley of Pinnacle West Capital Corporation. The  
19 following parties were granted intervention pursuant to A.R.S. § 40-360.05: Commission  
20 Staff, represented by Charles Hains and Robin R. Mitchell; United Services Automobile  
21 Association, represented by C. Webb Crockett of Fennemore Craig, P.C.; Pulte Homes,  
22 represented by Michele Molinario of Ridenour, Hienton, Kelhoffer, Lewis & Garth,  
23 P.L.L.C.; Trammel Crow Residential, represented by William E. Lally of Withey,  
24 Anderson & Morris, P.L.C.; and TAG Land Pinnacle LLC, represented by Robert N.  
Pizorno of Beus, Gilbert, PLLC.

25      At the conclusion of the hearings, the Committee, having received the Application,  
26 the appearances of the parties, the evidence, testimony and exhibits presented at the

1 hearings, and being advised of the legal requirements of A.R.S. §§ 40-360 to 40-360.13,  
2 upon motion duly made and seconded, voted, 7 in favor, 2 opposed, to grant the Applicant  
3 the following Certificate of Environmental Compatibility (Case No. 131):

4 The Project route is similar to the route that was approved in Docket L-00000D-02-  
5 0120 (North Valley 230kV Facility Siting Project) (Case No. 120, Decision No. 65997).

6 The Project is a double-circuit transmission line with one 500 kV circuit and one  
7 230 kV circuit and two substations. In addition, 230 kV double-circuit transmission lines  
8 will be used to tie into previously certificated substations. The Project route (depicted on  
9 **Exhibit A** attached hereto) will originate at the proposed TS-9 Substation in Section 33,  
10 Township 6 North, Range 1 East parallel to the existing Navajo 500kV Transmission Line  
11 Corridor ("Navajo Corridor") (State Land ROW No. 14-26216), following the Navajo  
12 Corridor southwest to the Dove Valley Road alignment in a 1,500 foot wide corridor  
13 measured to the east from the westernmost edge of the existing Navajo Corridor right-of-  
14 way.

15 The route then turns east and follows the Dove Valley Road alignment east to the  
16 39<sup>th</sup> Avenue alignment adjacent to the future Avery Substation, approved in Case L-  
17 00000D-02-0120, located in Section 15, Township 6 North, Range 2 East in a 3,000 foot  
18 corridor (1,500 feet north and 1,500 feet south) centered on the section line designating the  
19 Dove Valley Road alignment.

20 From that point the route turns south following the 39<sup>th</sup> Avenue alignment south for  
21 one mile to the Lone Mountain Road alignment in a 2,000 foot wide corridor (1,000 feet  
22 east and 1,000 feet west) centered on the mid-section line designating 39<sup>th</sup> Avenue.

23 The route then turns southeast crossing Sections 22 and 23, Township 5 North,  
24 Range 2 East on a southeasterly diagonal to meet Interstate 17 at a point designated as  
25 Latitude 33.7, Longitude -112.13 in a 2,000 foot corridor (1,000 feet each side) centered  
26

1 on the alignment between the intersection of 39<sup>th</sup> Avenue and Lone Mountain Road and  
2 Latitude 33.7, Longitude -112.13.

3 From that point the route follows the west side of Interstate 17 south to Oberlin  
4 Way in a 500 foot corridor west of the existing Arizona Department of Transportation  
5 ("ADOT") right-of-way.

6 The route continues south along the west side of Interstate 17 from Oberlin Way to  
7 the existing 230kV power line corridor ("WW-PP Corridor") (which includes fee-owned  
8 lands, private easements, and State Land ROW No. 16-4298) located approximately ¼  
9 mile south of Happy Valley Road in a 1,000 foot corridor west of the existing ADOT  
10 right-of-way.

11 From that point the route then turns east within the WW-PP Corridor along the  
12 north side of the existing 230kV double-circuit power line to Central Avenue within a 175  
13 foot corridor north of the centerline of the existing 230kV double-circuit structures.

14 At Central Avenue, the 230kV circuit turns south to form an in and out  
15 interconnection with the Misty Willow Substation, approved in Case L-00000D-02-0120,  
16 located in Section 8, Township 4 North, Range 3 East within a 1,000 foot corridor (500  
17 feet east and 500 feet west) along the centerline of Central Avenue.

18 Both circuits (500kV/230kV) then continue east within the existing WW-PP  
19 Corridor along the north side of the northernmost existing 230kV power line to 56<sup>th</sup> Street  
20 within a 175 foot corridor north of the existing 230kV structures.

21 The route continues east within the existing WW-PP Corridor along the north side  
22 of the northernmost existing 230kV power line to its termination at the Pinnacle Peak  
23 Substation located in Section 10, Township 4 North, Range 4 East within a 1,500 foot  
24 corridor north of the centerline of the northernmost existing 230kV structures.  
25  
26

1       The Project shall be constructed on double-circuit monopoles. Conceptual models  
2 of the monopoles are depicted in Exhibits G-1 through G-4 of the application, attached  
3 hereto as **Exhibit B**.

4       This Certificate is granted upon the following conditions:

- 5       1.     The Applicant shall obtain all required approvals and permits necessary to  
6             construct the Project.
  - 7       2.     The Applicant shall comply with all existing applicable ordinances, master  
8             plans and regulations of the State of Arizona, the County of Maricopa, the  
9             United States, and any other governmental entities having jurisdiction.
  - 10      3.     This authorization to construct the Project shall expire ten years from the  
11             date the Certificate is approved by the Arizona Corporation Commission (the  
12             "Commission").
  - 13      4.     The Applicant shall make every reasonable effort to identify and correct, on  
14             a case-specific basis, all complaints of interference with radio or television  
15             signals from operation of the transmission line and related facilities  
16             addressed in this Certificate. The Applicant shall maintain written records  
17             for a period of five years of all complaints of radio or television interference  
18             attributable to operation, together with the corrective action taken in  
19             response to each complaint. All complaints shall be recorded to include  
20             notations on the corrective action taken. Complaints not leading to a  
21             specific action of for which there was no resolution shall be noted and  
22             explained.
  - 23      5.     The Project shall comply with applicable noise standards of the federal  
24             Department of Housing and Urban Development and the Environmental  
25             Protection Agency.
- 26

6. If all Register-eligible properties cannot be avoided, then the Applicant will continue to consult with the State Historic Preservation Office ("SHPO") to resolve the negative impacts.
7. The Applicant shall avoid and/or minimize impacts to properties considered eligible for inclusion in the State Register of Historic Places to the extent possible.
8. If the Applicant decides that historic-period structures Beardsley Canal and Black Canyon Road and archaeological Sites AZ T:3:361, 362, 363 and 364, AZ T:7:192 and AZ T:8:157, AZ T:3:1 (MNA), and AZ T:3:2 (MNA) cannot be avoided, then the Applicant will plan and implement a mitigation program in consultation with SHPO.
9. After construction, the Applicant, in conjunction with any applicable land managing agency, shall allow Arizona Site Stewards, a volunteer-staffed SHPO program, to periodically inspect the sites within the corridor for vandalism or other damage.
10. In consultation with SHPO and the land-managing agency, the Applicant will consider and assess potential direct and indirect impacts to eligible properties related to new access roads or any existing access roads that require blading.
11. The Applicant shall follow any instructions from the Arizona State Land Department ("ASLD") regarding the treatment of State Register of Historic Places-eligible properties situated on ASLD land in consultation with SHPO.
12. If human remains and/or funerary objects are encountered during the course of any ground disturbing activities relating to the development of the subject property, Applicant shall cease work on the affected area of the Project and

1 notify the Director of the Arizona State Museum in accordance with A.R.S.  
2 § 41-865.

3 13. The Applicant shall design the transmission lines so as to minimize impacts  
4 to raptors.

5 14. Where practicable, the Applicant shall use existing roads for construction  
6 and access. The Applicant shall minimize vegetation disturbance outside of  
7 the Project right-of-way, particularly in drainage channels and along stream  
8 banks, and shall re-vegetate or restore areas of construction disturbance  
9 outside of the Project right-of-way after construction has been completed.

10 15. The Applicant shall use non-specular conductor and dulled surfaces for  
11 transmission line structures.

12 16. Within 120 days of the Commission decision granting this Certificate,  
13 Applicant will post signs in public rights-of-way giving notice of the Project  
14 corridor. Within 45 days of securing easement or right-of-way for the  
15 Project, the Applicant shall erect and maintain signs providing public notice  
16 that the property is the site of a future transmission line. Such signage shall  
17 be no smaller than a normal roadway sign. The Applicant shall place signs  
18 in prominent locations at reasonable intervals such that the public is notified  
19 along the full length of the transmission line until the transmission structures  
20 are constructed. There must also be signs at the location of the proposed  
21 substations. The signs shall advise:

- 22 (a) That the site has been approved for the construction of Project  
23 facilities including 500/230kV transmission lines or substation, as  
24 applicable to the individual site;
- 25 (b) The expected date of completion of the Project facilities;
- 26 (c) A phone number for public information regarding the Project;

- (d) The name of the Project;
- (e) The name of the Applicant; and
- (f) The Applicant's website.

Sign placement will be reported annually in accordance with Condition 22.

17. In the event that the Project requires an extension of the term of this Certificate prior to completion of construction, Applicant shall use reasonable means to directly notify all landowners and residents within a one-half mile of the Project corridor for which the extension is sought. Such landowners and residents shall be notified of the time and place of the proceeding in which the Commission shall consider such request for extension.

18. Before construction on this Project may commence, the Applicant must file a construction mitigation and restoration plan with Docket Control with copies to the affected areas of jurisdiction. The Applicant shall, within one year of completion of construction of the Project, rehabilitate to its original state any area disturbed by construction of the Project, except for any road that may be necessary to access the transmission lines or substation sites for maintenance and repair.

The goals of the Plan will be to:

- (a) Avoid impacts where practical;
- (b) Where impacts are unavoidable, minimize impacts; and
- (c) Focus on site preparation to facilitate natural processes of revegetation.

Other key elements of the Plan, when not inconsistent with the respective land management agencies' or local owners' requirements, are to:

- (a) Emphasize final site preparation to encourage natural revegetation;

- (b) Avoid (e.g., preserve), where practical, mature native trees;
- (c) Stipulate a maximum construction corridor width;
- (d) Reserve native plant materials from right-of-way before grading and replant after construction is complete;
- (e) Imprint the restored right-of-way to provide indentations to catch seed and water;
- (f) Implement best management practices to protect the soil;
- (g) Apply restoration methods that have been shown to work in the desert environment; and
- (h) Prevent the spread of noxious weeds or other undesirable species.

19. Applicant shall retain a qualified biologist to monitor all ground clearing/disturbing construction activities that may affect sensitive species or habitat. The biological monitor will be responsible for ensuring proper actions are taken if a special status species is encountered. If Sonoran desert tortoises are encountered during construction, the Applicant shall follow the Arizona Game & Fish Department's ("AGFD's") Guidelines for Handling Sonoran Desert Tortoises.

20. Applicant shall salvage mesquite, ironwood, saguaro and palo verde trees removed during Project construction activities consistent with Arizona's Native Plant Law and use the vegetation for reclamation in or near its original location.

21. Applicant shall implement landscaping for the substation sites in accordance with the applicable municipal planning and zoning requirements.

22. The Applicant shall submit a self-certification letter annually, identifying progress made with respect to each condition contained in the Certificate, including which conditions have been met. Each letter shall be submitted to

1 the Utilities Division Director on December 1 beginning in 2007. Attached  
2 to each certification letter shall be documentation explaining how  
3 compliance with each condition was achieved. Copies of each letter along  
4 with the corresponding documentation shall be submitted to the Arizona  
5 Attorney General and Department of Commerce Energy Office. The  
6 requirement for the self-certification shall expire on the date the Project is  
7 placed into operation.

8 23. With respect to the Project, Applicant shall participate in good faith in state  
9 and regional transmission study forums and will continue its coordination  
10 with both Salt River Project and Western Area Power Administration to  
11 coordinate transmission expansion plans related to the Project and to resolve  
12 transmission constraints in a timely manner.

13 24. Applicant shall coordinate construction through the Happy Valley Towne  
14 Center with the property owners to minimize impact on the retail operation  
15 of the Center.

16 25. The Applicant shall provide copies of this Certificate to the City of Phoenix  
17 and City of Peoria planning agencies, mayors, and city councils, the  
18 Maricopa County Planning and Development Department, the Maricopa  
19 County Board of Supervisors, SHPO, AGFD, ADOT, and ASLD.

20 26. Before commencing construction of Project facilities located within 100 feet  
21 of any existing natural gas or hazardous liquid pipeline, the Applicant shall:  
22 (a) perform the appropriate grounding and cathodic protection studies to  
23 show that the Project's location within 100 feet of such pipeline  
24 results in no material adverse impacts to the natural gas or hazardous  
25 liquid pipeline or to public safety when both are in operation. A  
26 report of studies shall be provided to the Commission Staff as part of

Applicant's compliance with the Certificate. If material adverse impacts are noted in the studies, Applicant shall take appropriate steps to ensure that such material adverse impacts are eliminated.

Applicant shall provide to the Commission Staff written documentation of the actions that will be taken and documentation showing no material adverse impact will occur; and

- (b) perform a technical study simulating an outage of the facility that may be caused by the collocation of the Project within 100 feet of the existing natural gas or hazardous liquid pipeline. This study should either: i) show that such outage does not result in customer outages; or ii) include operating plans to minimize any resulting customer outages. Applicant shall provide a copy of this study to Commission Staff.

27. Prior to the date this transmission line is put into commercial service, the Applicant shall provide homebuilders and developers within one mile of the center line of the certificate route the identity, location, and a pictorial depiction of the type of power line being constructed, accompanied by a written description, and encourage the developers and homebuilders to include this information in the developers' and homebuilders' homeowners' disclosure statements.

28. Applicant shall use commercially reasonable efforts to work with Pinnacle Cemeteries to mitigate visual impacts at the Pinnacle Cemeteries from the Project.

29. Within 90 days of the final Commission decision granting this Certificate, Applicant shall file an A.R.S. § 40-252 application for approval of modification(s) to Commission Decision No. 65997, which granted the

1 Certificate in Case 120, to reflect the grant of this Certificate. Specifically,  
2 Applicant will request that the following condition be added to Decision No.  
3 65997: "Applicant shall not build that portion of the Project approved in this  
4 case located between: (a) the intersection of the section line that designates  
5 the Dove Valley Road alignment and the existing Navajo -  
6 Westwing 500/230 kV corridor; and (b) the Pinnacle Peak substation.  
7 Applicant retains the authorization to construct the Avery and Misty Willow  
8 substations (Decision No. 65997, Case 120, pages 3:15-17 and 4:9-11) and  
9 also that portion of the double-circuit 230 kV transmission line between  
10 Westwing and Raceway substations (Decision No. 65997, Case 120, page  
11 3:5-13), as described, noticed and certificated in this Case 120. Further,  
12 Condition 23 of the Certificate in Decision 65997, Case 120, is no longer  
13 applicable."

- 14 30. Applicant shall make a good faith effort to work with affected municipalities  
15 and land management agencies to encourage future development to move  
16 major arterials away from major transmission corridors.
- 17 31. Applicant shall work in good faith with the City of Peoria, ADOT, and  
18 ASLD regarding the final right-of-way on that portion of the route along the  
19 Dove Valley Road alignment.

20 GRANTED this 29 day of December 2006.

21  
22 THE ARIZONA POWER PLANT AND  
23 TRANSMISSION LINE SITING COMMITTEE

24 *Laurie A Woodall* 2/6/07  
25 Laurie A. Woodall, Chairman  
26 Assistant Attorney General

## EXHIBIT A

LAKE  
MEAD

**TS-9 SUBSTATION**  
130 acres in Section 33,  
Township 6 North,  
Range 1 East

1,500' east from the  
westernmost edge  
of the existing  
Right-of-Way  
From TS-9 to the Dove  
Valley Road alignment

3,000' (1,500' north & 1,500' south) centered  
on the section line designating  
the Dove Valley Road alignment from  
the Navajo 500kV Transmission Line Corridor  
to the 39th Ave. alignment

**AVERY SUBSTATION**  
Approximately 1/2 mile west of I-17 in Section 15,  
Township 5 North, Range 2 East.

2,000' (1,000' east & west) centered on  
the mid-section line designating 39th Ave.

2,000' (1,000' each side) centered  
on the alignment between the intersection  
of 39th Ave & Lone Mountain Rd. and  
Lat. 33.7, Long. -112.13

500' west of existing  
ADOT Right-of-Way from south of  
Lat. 33.7, Long. -112.13 to Oberlin Way

1,000' west of existing  
ADOT Right-of-Way from Oberlin Way  
to 1/4 mile south of Happy Valley Rd.

1,000' (500' east & west) along  
the centerline of Central Ave. from  
the existing 230kV structures to  
the Misty Willow Substation  
(230 kV Circuit Only)

**MISTY WILLOW SUBSTATION**  
Located south of the existing  
transmission line corridor and  
west of the CAP canal in Section 8,  
Township 4 North, Range 3 East.

175' north of the centerline of the  
existing 230kV structures from  
29th Ave. to 56th St.

**PINNACLE PEAK  
SUBSTATION EXPANSION**  
Section 10, Township 4 North,  
Range 4 East

1,500' north of the centerline  
of the existing 230kV structures  
from 56th St. to the line termination  
at the Pinnacle Peak Substation  
located in Section 10, Township 4 North,  
Range 4 East

- Proposed Corridor
- Proposed Substation
- Substation Site
- Approved in Case #  
L-00000D-02-0120
- Segment Node
- Existing Substation
- Interstate Highway
- State Highway
- Canal

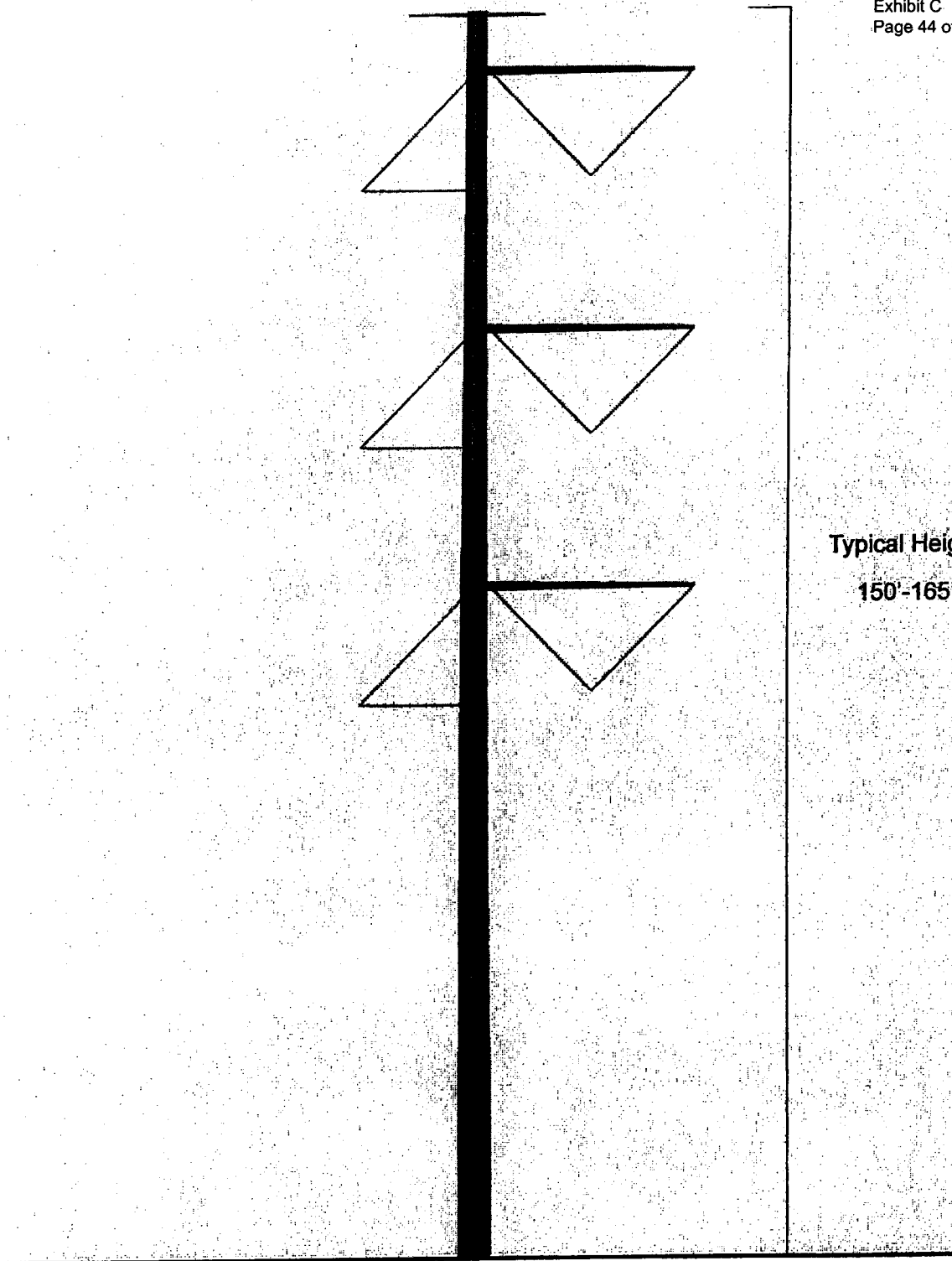
67th Ave.  
51st Ave.  
39th Ave.  
35th Ave.  
7th Ave.  
Central Ave.  
Cave Creek Rd.  
40th St.  
56th St.  
Beardsley Rd.

Happy Valley Rd.  
Pinnacle Peak Rd.  
Deer Valley Rd.  
Jomax Rd.  
Dynamite Blvd.  
Oberlin Way  
Dixileta Dr.  
Lone Mountain Rd.  
Dove Valley Rd.  
Carefree Hwy.

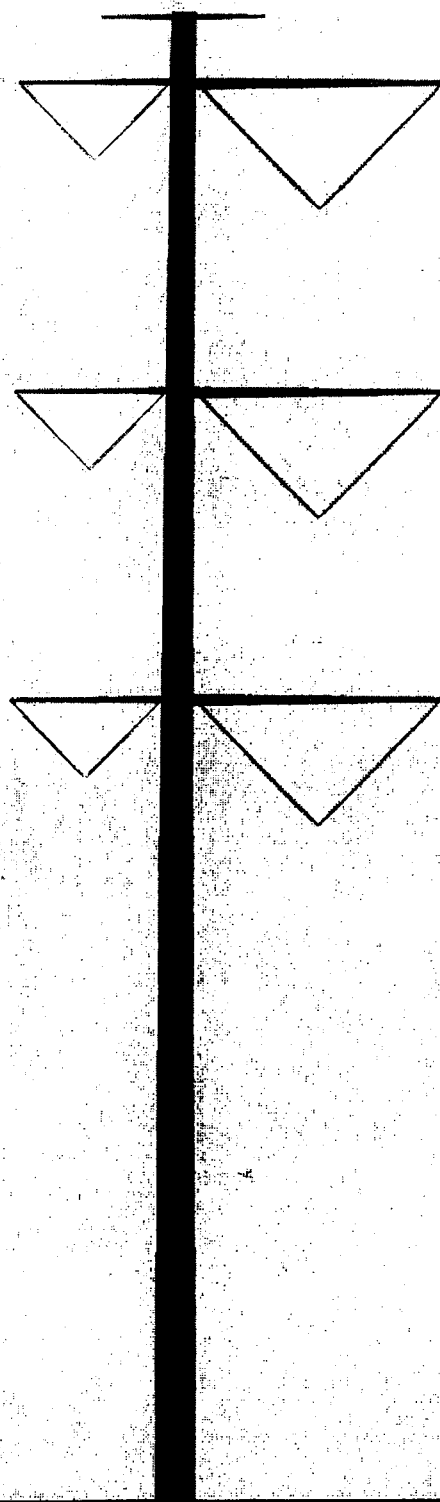
# TS-9 TO PINNACLE PEAK 500/230KV TRANSMISSION PROJECT

## EXHIBIT A

## EXHIBIT B



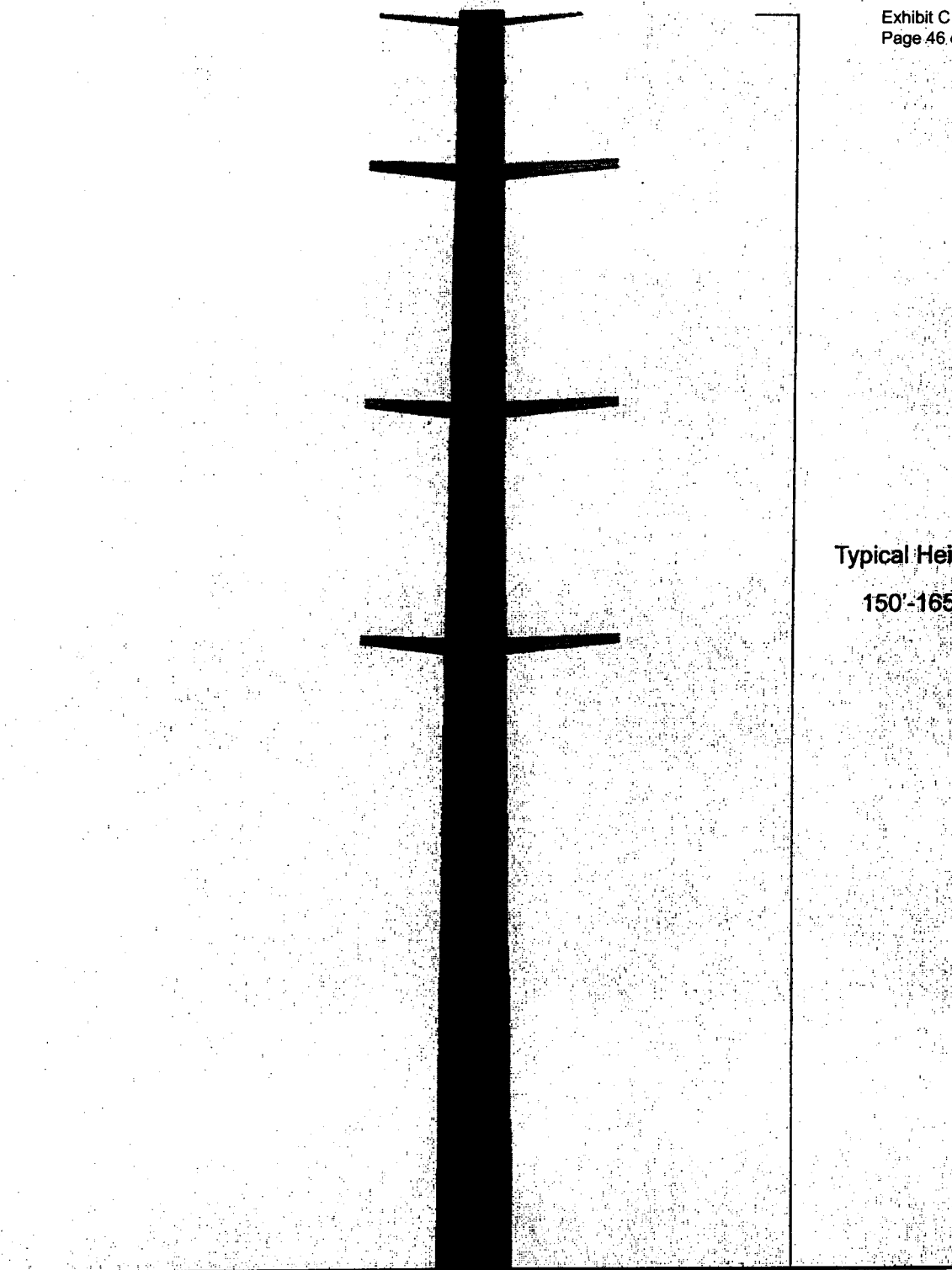
**EXHIBIT G-1**  
Conceptual 500/230kV Steel Monopole Structure  
(Design Configuration #1)



Typical Height  
150'-165'

**EXHIBIT G-2**  
Conceptual 500/230kV Steel Monopole Structure  
(Design Configuration #2)

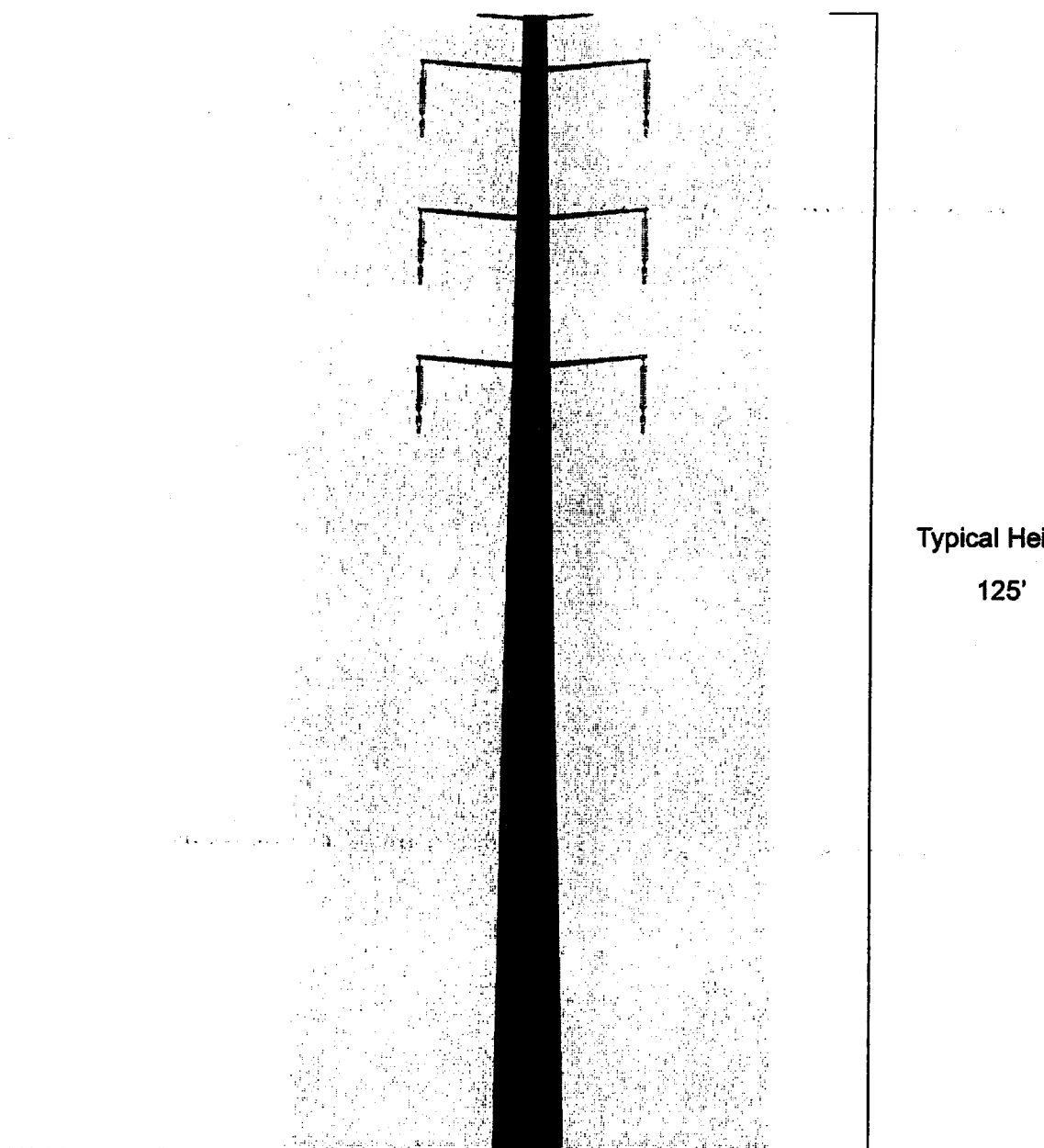
DECISION NO. 69343



Typical Height  
150'-165'

**EXHIBIT G-3**  
Conceptual 500/230kV Steel Monopole Turning Structure

DECISION NO. 69343



Typical Height  
125'

**EXHIBIT G-4**  
Conceptual 230kV Double-Circuit Structure

**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY IN CONFORMANCE WITH  
THE REQUIREMENTS OF ARIZONA  
REVISED STATUTES SECTION 40-360,  
*et seq.*, FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE TS-9 TO PINNACLE  
PEAK 500kV/230kV TRANSMISSION LINE  
PROJECT WHICH INCLUDES A 500kV  
TRANSMISSION LINE, A 230kV  
TRANSMISSION LINE AND  
ASSOCIATED FACILITIES AND INTER-  
CONNECTIONS ORIGINATING FROM  
THE PROPOSED TS-9 SUBSTATION  
LOCATED SOUTH OF SR74 IN PEORIA,  
AT SECTION 33, TOWNSHIP 6 NORTH,  
RANGE 1 EAST, G&SRB&M, TO THE  
EXISTING PINNACLE PEAK  
SUBSTATION LOCATED NEAR 64<sup>TH</sup>  
STREET AND PINNACLE PEAK ROAD  
IN PHOENIX, AT SECTION 10,  
TOWNSHIP 4 NORTH, RANGE 4 EAST,  
G&SRB&M.

Docket No. L-00000D-06-0635-00131

Case No. 131

**NOTICE OF FILING  
CERTIFICATE OF  
ENVIRONMENTAL  
COMPATIBILITY  
NUNC PRO TUNC**

RECEIVED  
2007 FEB - 7 A 9 47  
AZ CORP COMMISSION  
DOCUMENT CONTROL

The Arizona Power Plant and Transmission Line Siting Committee hereby gives  
Notice of Filing Nunc pro Tunc its Decision and Certificate of Environmental  
Compatibility, for approval by the Arizona Corporation Commission. A copy of the  
Decision is attached, correcting typographical errors:

1. Correcting Docket Number;
2. Correcting spelling errors – ‘northermost,’ to ‘northernmost;’ and
3. Correcting ‘impractical,’ on para. 18(a), pg. 8, to ‘practical.’

All other terms of the CEC are identical to that originally filed on December 29,  
2006, including the date the Certificate was granted.

DECISION NO. 69343

1 DATED, this 6<sup>th</sup> day of February, 2007.

2 

3 Laurie A. Woodall, Chairman  
4 Arizona Power Plant & Transmission  
5 Line Siting Committee  
6

7 ORIGINAL DECISION hand-delivered  
8 to the Commissioners' Division, and  
9 the Original and 25 copies of this  
Notice filed this 6<sup>th</sup> day of February, 2007, with:

10 Docket Control  
11 Arizona Corporation Commission  
12 1200 West Washington Street  
13 Phoenix, AZ 85007

14 COPIES of the foregoing  
15 mailed this 6<sup>th</sup> day of February, 2007, to:

16 Charles Hains  
17 Robin Mitchell  
18 Maureen Scott  
19 Legal Division  
20 Arizona Corporation Commission  
21 1200 West Washington Street  
22 Phoenix AZ 85007  
23 (Attorney for Staff of Utilities Division of ACC)

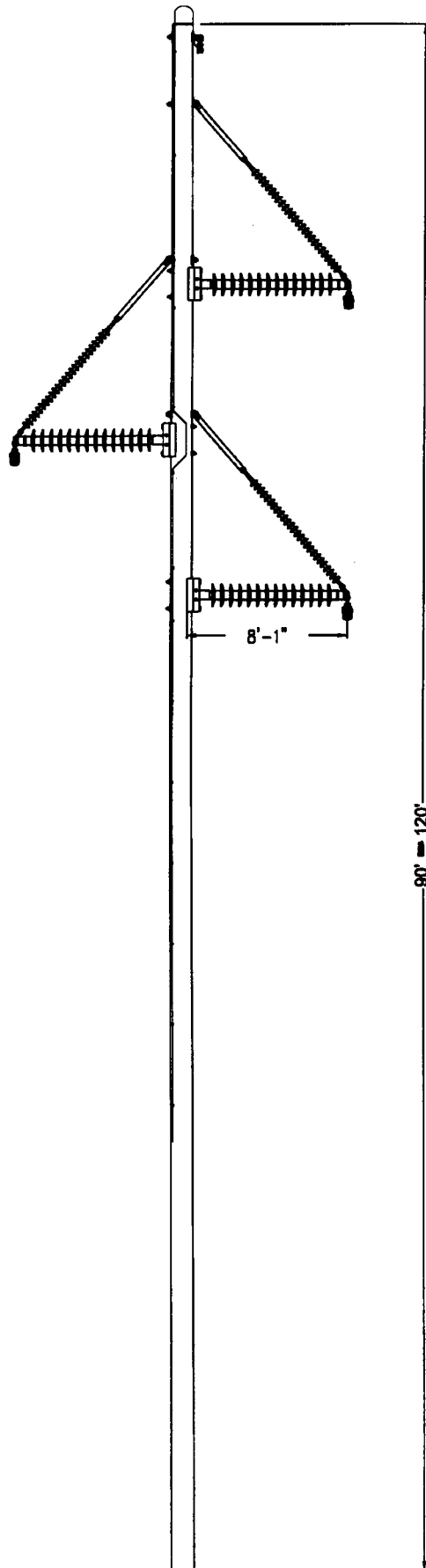
24 Ernest G. Johnson, Director  
25 Utilities Division  
26 Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007

Thomas H. Campbell, Esq.  
Lewis and Roca, LLP  
Two Renaissance Square  
40 North Central Avenue  
Phoenix AZ 85004-4429  
Attorney for Applicant

- 1 Patrick J. Black, Esq.  
2 Crockett C. Webb, Esq.  
3 Fennemore Craig  
4 Suite 2600  
5 3003 North Central Avenue  
6 Phoenix, Arizona 85012-2913  
7 Attorney for United Services Auto Assoc.
- 8 William E. Lally, Esq.  
9 Withey, Anderson & Morris  
10 2525 East Arizona Biltmore Circle, #A-212  
11 Phoenix, Arizona 85016-2133  
12 Attorney for Trammell Crow Residential
- 13 Michele Molinaro, Esq.  
14 Ridenour Hienton, et. Al  
15 201 North Central Avenue, Suite 3300  
16 Phoenix, Arizona 85004-1052  
17 Attorney for Pulte Homes
- 18 Robert N. Pizorno, Esq.  
19 Britton M. Worthen, Esq.  
20 Beus Gilbert PLLC  
21 4800 North Scottsdale Road, Suite 6000  
22 Scottsdale, Arizona 85251-7630  
23 Attorney for TAG Land Pinnacle LLC
- 24 Karilee S. Ramaley, Esq.  
25 Pinnacle West Capital Corp.  
26 400 North 5<sup>th</sup> Street  
P.O. Box 53999 MS 8695  
Phoenix, Arizona 85072-3999  
Attorney for Arizona Public Service Co.

  
#308513

## **EXHIBIT C**



# Exhibit D

ORIGINAL

0000120053

Exhibit D  
Page 1 of 54

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ARIZONA CORPORATION COMMISSION  
DOCKET CONTROL

Arizona Corporation Commission

DOCKETED

NOV 16 2010

DOCKETED BY

*[Signature]*

BEFORE THE ARIZONA CORPORATION COMMISSION

KRISTIN K. MAYES

Chairman

GARY PIERCE

Commissioner

PAUL NEWMAN

Commissioner

SANDRA K. KENNEDY

Commissioner

BOB STUMP

Commissioner

IN THE MATTER OF THE APPLICATION )  
OF ARIZONA PUBLIC SERVICE )  
COMPANY, IN CONFORMANCE WITH )  
THE REQUIREMENTS OF ARIZONA )  
REVISED STATUTES SECTION 40-360, )  
et seq., FOR A CERTIFICATE OF )  
ENVIRONMENTAL COMPATIBILITY )  
AUTHORIZING THE NORTH VALLEY )  
230kV FACILITY SITING PROJECT, )  
INCLUDING THE CONSTRUCTION OF )  
APPROXIMATELY 31 MILES OF )  
230kV TRANSMISSION LINES, TWO )  
230kV SUBSTATIONS, AND THREE )  
SUBSTATION INTERCONNECTIONS IN )  
MARICOPA COUNTY, ARIZONA, )  
ORIGINATING AT THE WESTWING )  
SUBSTATION IN SECTION 12, )  
TOWNSHIP 4 NORTH, RANGE 1 WEST, )  
G&SRB&M AND INTERCONNECTING )  
AT THE RACEWAY SUBSTATION )  
IN SECTIONS 4 AND 5, TOWNSHIP 5 )  
NORTH, RANGE 1 EAST, G&SRB&M, )  
CONTINUING TO THE PROPOSED AVERY )  
SUBSTATION IN SECTION 15, )  
TOWNSHIP 5 NORTH, RANGE 2 EAST, )  
G&SRB&M AND THE PROPOSED )  
MISTY WILLOW SUBSTATION IN )  
SECTION 8, TOWNSHIP 4 NORTH, )  
RANGE 3 EAST, G&SRB&M, AND )  
TERMINATING AT THE PINNACLE PEAK )  
SUBSTATION IN SECTION 10, TOWNSHIP )  
4 NORTH, RANGE 4 EAST, G&SRB&M. )

Docket No. L-00000D-02-0120

Case No. 120

NOTICE OF SUBSTATION SITE CHANGE OR, IN THE ALTERNATIVE,  
APPLICATION TO AMEND A.C.C. DECISION NO. 65997

1 The Arizona Corporation Commission ("Commission") Decision No. 65997 (June  
2 18, 2003) (Line Siting Case No. 120) (Exhibit A) approved a Certificate of Environmental  
3 Compatibility ("CEC") granted by the Arizona Power Plant and Transmission Line Siting  
4 Committee ("Committee") for the Arizona Public Service Company ("APS") to build a  
5 double circuit 230kV line between the Westwing substation and the Pinnacle Peak  
6 substation. Decision No. 65997 also approved, among other items, the construction of the  
7 proposed Misty Willow substation in Section 8, Township 4 North, Range 3 East. The  
8 purpose for the Misty Willow substation is to serve as a transformation interconnection  
9 point to distribute power to the residential communities and commercial establishments in  
10 north Phoenix.

11 Most of the double circuit 230kV transmission line approved in Line Siting Case  
12 No. 120 was superseded by a new CEC authorizing a 500/230kV transmission line  
13 between the TS-9 substation and the Pinnacle Peak substation (A.C.C. Decision No.  
14 69343) (Line Siting Case No. 131) (Exhibit B). Decision No. 69343 (Line Siting Case No.  
15 131) specifically notes that APS retains the authorization from Line Siting Case No. 120 to  
16 construct the Misty Willow substation. (Exhibit B, page 12, line 6).<sup>1</sup>

17 Initially, the proposed Misty Willow substation (now referred to as the Scatter  
18 Wash substation) was anticipated to be located south of an existing double circuit SRP  
19 230kV transmission line. For reasons explained below, APS has decided that the Misty  
20 Willow/Scatter Wash substation should be located north of the existing SRP 230kV lines  
21 and the new APS 500/230kV transmission project. The substation will still be in Section  
22 8, Township 4 North, Range 3 East. (Attached as Exhibit C is an aerial map showing both  
23  
24  
25

26 <sup>1</sup> A copy of this notice and application is being filed in the Case No. 131 docket as well, even though the substation authorization stems from Case No. 120.

1 the initially proposed and currently proposed sites for the Misty Willow/Scatter Wash  
2 substation).<sup>2</sup>

3 All of the electric facilities, including the interconnection transmission structures,  
4 for the Misty Willow/Scatter Wash substation will be within the 1000 foot corridor  
5 approved in Line Siting Case No. 120.<sup>3</sup> Attached as Exhibit D is a conceptual site layout  
6 of the substation facility showing a preliminary rendering of the substation facilities and  
7 the 1000 foot corridor.

8 The primary reason for a change in the site from the south side to the north side of  
9 the transmission corridor is cost saving. The new substation site will save APS about \$3  
10 million because APS was able to acquire the land north of the existing transmission  
11 corridor for substantially less money than the owner was willing to sell the land to the  
12 south.

13 A secondary reason for the adjusted site is that it will reduce line crossings. The  
14 south site will require the new APS 230kV line to cross two high voltage transmission  
15 lines to interconnect with the new substation. The north site only requires APS to cross  
16 one high voltage line (its own 500kV line) which will be co-located on the same  
17 transmission structure as the new 230kV line.

18 The north site is bordered on the east by the Central Avenue alignment and state  
19 trust land, on the west by Bureau of Reclamation ("BOR") land, on the north by Happy  
20 Valley Road and state trust land and on the south by the existing transmission line  
21 corridor. The south site is bordered on the east by the Central Avenue alignment and BOR  
22 land, on the west by private land, on the south by private land and on the north by private  
23 land and BOR land. See Exhibit C.

24  
25 <sup>2</sup> The building in the upper right corner of the aerial has been removed.

26 <sup>3</sup> It is possible that the substation fence on the north side and a small portion of a retention basin will be outside the 1000 foot corridor, but none of the electrical facilities will be outside the corridor.

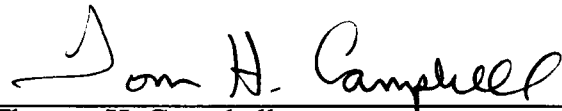
1 The north substation site is 2100 feet from the nearest residence. The south  
2 substation site is 1750 feet from the nearest residence.

3 On March 5, 2010, APS placed a sign on the north site facing Happy Valley Road  
4 informing the public of a new proposed substation and providing contact information.  
5 APS has not received any contacts from the public regarding the site. In addition, the  
6 Central Arizona Project, which manages the BOR land along the canal, and the Arizona  
7 State Land Department have been notified. APS plans to mail a written notice of the  
8 revised site to all landowners within one mile of the site.

9 By this pleading, APS is notifying the Commission and parties in Case No. 120 of  
10 this change. If the Commission deems the substation site change to require Commission  
11 approval, then APS respectfully requests that this filing be treated as an application under  
12 A.R.S. § 40-252 to amend Decision No. 65997 to authorize APS to move the substation  
13 from the south to the north side of the transmission line corridor for the cost and reliability  
14 reasons described above. APS anticipates that substation construction will be in 2012, but  
15 engineering and permitting work with the City of Phoenix must commence now. If the  
16 Commission chooses to treat this filing as an application for an amendment under A.R.S.  
17 § 40-252, APS respectfully requests that the Commission amend Decision No. 65997  
18 expeditiously so that the necessary engineering and permitting can begin.

19 RESPECTFULLY SUBMITTED this 16th day of November, 2010.

20 LEWIS AND ROCA LLP

21   
22

23 Thomas H. Campbell  
24 Albert H. Acken  
25 40 N. Central Avenue  
26 Phoenix, Arizona 85004  
Attorneys for Arizona Public Service Company

1 **ORIGINAL** and thirteen (13)  
2 copies of the foregoing hand-delivered  
3 this 16th day of November, 2010 to:

4 Arizona Corporation Commission  
5 Utilities Division - Docket Control  
6 1200 W. Washington Street  
7 Phoenix, Arizona 85004

8 **COPY** of the foregoing hand delivered  
9 this 16th day of November, 2010, to:

10 Janice Alward  
11 Charles Hains  
12 Robin Mitchell  
13 Legal Division  
14 Arizona Corporation Commission  
15 1200 W. Washington Street  
16 Phoenix, Arizona 85007

17 Lyn Farmer, Chief Administrative Law Judge  
18 Hearing Division  
19 Arizona Corporation Commission  
20 1200 W. Washington Street  
21 Phoenix, Arizona 85007

22 Steve Olea, Director  
23 Utilities Division  
24 Arizona Corporation Commission  
25 1200 W. Washington Street  
26 Phoenix, Arizona 85007

**COPY** of the foregoing mailed this  
16th day of November, 2010, to:

Chairman John Foreman  
Office of the Attorney General  
1275 W. Washington Street  
Phoenix, Arizona 85007

Roles, Inc.  
c/o Roger K. Ferland  
Quarles & Brady  
One Renaissance Square  
Two North Central Avenue  
Phoenix, Arizona 85004

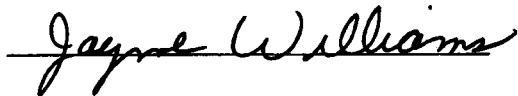
1 Beverly Jackson  
2 27011 North 31<sup>st</sup> Drive  
3 Phoenix, Arizona 85085

4 Patrick J. Black  
5 Webb C. Crockett  
6 Fennemore Craig  
7 Suite 2600  
8 3003 N. Central Avenue  
9 Phoenix, Arizona 85012-2913

10 William E. Lally  
11 Withey, Anderson & Morris  
12 2525 E. Arizona Biltmore Circle, #A-212  
13 Phoenix, Arizona 85016-2133

14 Michele Molinario  
15 Ridenour Hienton, et. al  
16 201 N. Central Avenue  
17 Suite 3300  
18 Phoenix, Arizona 85004-1052

19 Robert N. Pizorno  
20 Britton M. Worthen  
21 Bues Gilbert PLLC  
22 4800 N. Scottsdale Road  
23 Suite 6000  
24 Scottsdale, Arizona 85251-7630

25   
26

## **EXHIBIT A**

BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

MARC SPITZER, Chairman  
JIM IRVIN  
WILLIAM A. MUNDELL  
JEFF HATCH-MILLER  
MIKE GLEASON

Arizona Corporation Commission

**DOCKETED**

JUN 18 2003

DOCKETED BY

DAH

IN THE MATTER OF THE APPLICATION OF ARIZONA PUBLIC SERVICE COMPANY, IN CONFORMANCE WITH THE REQUIREMENTS OF ARIZONA REVISED STATUTES SECTION 40-360, ET SEQ., FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AUTHORIZING THE NORTH VALLEY 230kV FACILITY SITING PROJECT, INCLUDING THE CONSTRUCTION OF APPROXIMATELY 31 MILES OF 230kV TRANSMISSION LINES, TWO 230kV SUBSTATIONS, AND THREE SUBSTATION INTERCONNECTIONS IN MARICOPA COUNTY, ARIZONA, ORIGINATING AT THE WESTWING SUBSTATION IN SECTION 12, TOWNSHIP 4 NORTH, RANGE 1 WEST, G&SRB&M AND INTERCONNECTING AT THE RACEWAY SUBSTATION IN SECTIONS 4 AND 5, TOWNSHIP 5 NORTH, RANGE 1 EAST, G&SRB&M, CONTINUING TO THE PROPOSED AVERY SUBSTATION IN SECTION 15, TOWNSHIP 5 NORTH, RANGE 2 EAST, G&SRB&M AND THE PROPOSED MISTY WILLOW SUBSTATION IN SECTION 8, TOWNSHIP 4 NORTH, RANGE 3 EAST, G&SRB&M, AND TERMINATING AT THE PINNACLE PEAK SUBSTATION IN SECTION 10, TOWNSHIP 4 NORTH, RANGE 4 EAST, G&SRB&M.

CASE NO. 120

Docket No. L-00000D-02-0120

DECISION NO. 65997

The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") is granted as modified and amended by this Order.

The Commission modifies the CEC to add the following condition:

30. Applicant shall work with developers along the route to include the identity and location of the certificated route in the developers' homeowners disclosure statements.

The Commission finds and concludes that: (1) the Project is in the public interest because it aids the state in meeting the need for an adequate, economical and reliable supply of electric power;

1 (2) in balancing the need for the Project with its effect on the environment and ecology of the state,  
2 the conditions placed on the CEC by the Committee and the Commission, effectively minimize its  
3 impact on the environment and ecology of the state; (3) the conditions placed on the CEC by the  
4 Committee and the Commission, resolve matters concerning the need for the Project and its impact  
5 on the environment and ecology of the state raised during the course of proceedings, and as such,  
6 serve as the findings on the matters raised; and, (4) in light of these conditions, the balancing in the  
7 public interest results in favor of granting the CEC as modified by the Commission.

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...

1 THE CEC ISSUED BY THE SITING COMMITTEE IS  
2 INCORPORATED HEREIN AND IS  
3 APPROVED AS AMENDED BY THIS ORDER OF THE  
4 ARIZONA CORPORATION COMMISSION

5  
6  
7 CHAIRMAN

COMMISSIONER

COMMISSIONER

8  
9  
10 COMMISSIONER

COMMISSIONER

11 IN WITNESS WHEREOF, I, JAMES G. JAYNE, Interim  
12 Executive Secretary of the Arizona Corporation Commission,  
13 have hereunto, set my hand and caused the official seal of the  
14 Commission to be affixed at the Capitol, in the City of Phoenix,  
15 this 18<sup>th</sup> day of June, 2003.

16 JAMES G. JAYNE  
17 Interim Executive Secretary

18 DISSENT: \_\_\_\_\_  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION OF  
ARIZONA PUBLIC SERVICE COMPANY IN  
CONFORMANCE WITH THE REQUIREMENTS  
OF ARIZONA REVISED STATUTES SECTION  
40-360, ET SEQ., FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE NORTH VALLEY 230KV  
FACILITY PROJECT, CASE NO. 120  
INCLUDING THE CONSTRUCTION OF  
APPROXIMATELY 31 MILES OF 230KV  
TRANSMISSION LINES, TWO 230KV  
SUBSTATIONS, AND THREE SUBSTATION  
INTERCONNECTIONS IN MARICOPA  
COUNTY, ARIZONA, ORIGINATING AT THE  
WESTWING SUBSTATION IN SECTION 12,  
TOWNSHIP 4 NORTH, RANGE 1 WEST,  
G&SRB&M AND INTERCONNECTING AT THE  
RACEWAY SUBSTATION IN SECTIONS 4  
AND 5, TOWNSHIP 5 NORTH, RANGE 1 EAST,  
G&SRB&M, CONTINUING TO THE PROPOSED  
AVERY SUBSTATION IN SECTION 15,  
TOWNSHIP 5 NORTH, RANGE 2 EAST,  
G&SRB&M AND THE PROPOSED MISTY  
WILLOW SUBSTATION IN SECTION 8,  
TOWNSHIP 4 NORTH, RANGE 3 EAST,  
G&SRB&M, AND TERMINATING AT THE  
PINNACLE PEAK SUBSTATION IN SECTION  
10, TOWNSHIP 4 NORTH, RANGE 4 EAST,  
G&SRB&M.

Docket No. L-00000D-02-0120

CASE NO. 120

**CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

Pursuant to notice given as provided by law, the Arizona Power Plant and Transmission  
Line Siting Committee (the "Committee") held public hearings on November 25-26, 2002,  
January 27, 2003, January 29, 2003, March 24, 2003 and March 26, 2003, all in conformance

**DECISION NO. 65997**

1 with the requirements of Arizona Revised Statutes § 40-360, *et seq.*, for the purpose of  
2 receiving evidence and deliberating on the Application of Arizona Public Service Company  
3 ("Applicant") for a Certificate of Environmental Compatibility in the above-captioned case.

4 A route tour was conducted on January 27, 2003.

5 The following members and designees of members of the Committee were present for  
6 the deliberations and vote on the Application at the January 29, 2003 hearing:

7 Laurie Woodall Chairman, Designee for Arizona Attorney General,  
8 Terry Goddard

9 Ray Williamson Designee for Chairman, Arizona Corporation  
10 Commission

11 Richard Tobin Designee for Director, Arizona Department of  
12 Environmental Quality

13 Mark McWhirter Designee for Director, Energy Department, Arizona  
14 Department of Commerce

15 Margaret Trujillo Appointed Member

16 A. Wayne Smith Appointed Member

17 Michael Whalen Appointed Member

18 Michael Palmer Appointed Member

19 The Applicant was represented by Jeffrey B. Guldner and Lisa M. Coulter of Snell &  
20 Wilmer L.L.P. and C. David Martinez of Pinnacle West Capital Corporation. The following  
21 parties were granted intervention pursuant to A.R.S. § 40-360.05: Arizona Corporation  
22 Commission Staff, represented by Janice M. Alward and Jason D. Gellman; Walter Meek, pro  
23 se; United Services Automobile Association, represented by C. Webb Crockett of Fennemore  
24 Craig, P.C.; Roles Inc., represented by Roger K. Ferland and Laura Raffaelli of Quarles &  
25 Brady Streich Lang L.L.P.; and Beverly Jackson, pro se.

26 At the conclusion of the hearings, the Committee, having received the Application, the

1 appearances of the parties, the evidence, testimony and exhibits presented at the hearings, and  
2 being advised of the legal requirements of Arizona Revised Statutes §§ 40-360 to 40-360.13,  
3 upon motion duly made and seconded, voted unanimously to grant the Applicant the following  
4 Certificate of Environmental Compatibility (Case No. 120):

5         The North Valley project route (depicted on Exhibit A, attached hereto) will  
6 originate at the Westwing Substation in Section 12, Township 4 North, Range 1 West,  
7 and parallel an existing 500/230kV transmission line corridor northeast (approximately  
8 3.1 miles) to the section line that designates the Dove Valley Road alignment. At that  
9 point, a radial line will extend northeast for approximately 1.7 miles interconnecting  
10 with the 230/69kV Raceway Substation in Sections 4 and 5, Township 5 North, Range  
11 1 East. From the Westwing Substation north to Raceway Substation this portion of the  
12 route will include a 1,500-foot corridor extending to the east from the westernmost  
13 edge of the exiting transmission line right-of-way. From the point where the radial line  
14 is extended, the route continues east along the section line associated with the Dove  
15 Valley Road alignment for approximately 8.3 miles to the proposed Avery Substation,  
16 located approximately ½ mile west of I-17 in Section 15, Township 5 North, Range 2  
17 East. There will be a 1,500-foot corridor on each side of the section line that designates  
18 the Dove Valley Road alignment in this area. From that point the line will continue  
19 south along the 39<sup>th</sup> Avenue alignment for 1.0 mile to the section line that designates  
20 the Lone Mountain Road alignment. The route then crosses Sections 22 and 23,  
21 Township 5 North, Range 2 East, on the diagonal to meet I-17, where the 69 kV crosses  
22 I-17 at a point identified as Latitude 33.7671852 and Longitude -112.128662. In this  
23 area, there will be a 1,000-foot corridor on each side of the proposed centerline of the  
24 route. The route then continues south paralleling the west side of I-17 to a point  
25 approximately 1.0 mile north of Happy Valley Road and immediately south of Skunk  
26 Creek. There will be a 1,000-foot corridor west of the controlled access for I-17. At

1 this point the route parallels the south side of Skunk Creek for approximately 0.1 mile  
2 to the 29<sup>th</sup> Avenue alignment where it turns south and parallels the 29<sup>th</sup> Avenue  
3 alignment to a point approximately 0.25 miles south of Happy Valley Road. Along  
4 Skunk Creek and the 29<sup>th</sup> Avenue alignment there will be a 1,000-foot corridor on  
5 either side of the proposed centerline, except that the corridor shall not extend beyond  
6 the western boundary of the controlled access for I-17. At this point the route will turn  
7 east and cross I-17 approximately 0.25 miles south of Happy Valley Road and parallel  
8 the existing 230 kV transmission line corridor for approximately 2.5 miles,  
9 interconnecting with the proposed Misty Willow Substation located south of the  
10 existing transmission corridor and west of the CAP in Section 8, Township 4 North,  
11 Range 3 East. At this point, the route then continues east and parallel to the 230kV  
12 transmission line corridor, terminating at the Pinnacle Peak Substation in Section 10,  
13 Township 4 North, Range 4 East. In the area from I-17 east to the Pinnacle Peak  
14 Substation, there will be a 1,000-foot corridor north of the centerline of the existing  
15 Salt River Project ("SRP") transmission line.

16  
17 With the exception of turning structures, the Project shall, at a maximum, be  
18 constructed on double-circuit monopoles with the capability for double circuit 69 kV  
19 underbuild from the Westwing Substation to the west side of 23<sup>rd</sup> Avenue, and shall be  
20 constructed on double-circuit lattice towers for the remainder of the Project.  
21 Notwithstanding the foregoing, between 23<sup>rd</sup> Avenue and the Misty Willow Substation,  
22 the Project may be constructed either on double-circuit monopoles with capability for  
23 double-circuit 69 kV underbuild or double-circuit lattice towers to match structure  
24 types with the existing SRP transmission line.

25 This Certificate is granted upon the following conditions:  
26

1. The Applicant shall obtain all required approvals and permits necessary to construct the Project.
2. The Applicant shall comply with all existing applicable air and water pollution control standards and regulations, and with all existing applicable ordinances, master plans and regulations of the State of Arizona, the County of Maricopa, the United States, and any other governmental entities having jurisdiction.
3. (a) This authorization to construct the Project shall expire 10 years from the date the Certificate is approved by the Arizona Corporation Commission unless construction is completed to the point that the first circuit of the Project is capable of operating by that time; provided, however, that the authorization to construct the second circuit of the Project shall expire 15 years from date of this Certificate; and further provided, however, that prior to either such expiration the Applicant or its assignees may request that the Commission extend this time limitation.  
  
(b) Prior to constructing any segment of the Project (except for the segment on the Roles Property), Applicant shall file with the Commission technical studies showing the feasibility of interconnecting the Table Mesa 500 kV substation with the Project. These technical studies should determine (i) the impact of the proposed new Phoenix area transmission import delivery point on Phoenix area Reliability Must Run ("RMR") generation requirements, and (ii) the impact on staging and necessity of 230 kV elements authorized for construction in this CEC. As part of those studies, Applicant shall investigate the impacts of interconnecting the Westwing to Navajo 500 kV transmission line(s) into the Table Mesa substation prior to constructing the Palo Verde to Table Mesa 500 kV line. Such studies are to be performed in a collaborative transmission planning study forum such as the ten-year Phoenix area RMR study required by January 31, 2004 or the Central Arizona Transmission Study forum.  
  
(c) Prior to constructing any segment of the Project (except for the segment on the Roles Property), Applicant shall submit a report to the ACC Utilities Division Staff showing how the design appropriately balances pole height, location and span with system reliability. The report shall also demonstrate that any system

consolidation shall not detrimentally impact system reliability at the time of construction.

4. The Applicant shall make every reasonable effort to identify and correct, on a case-specific basis, all complaints of interference with radio or television signals from operation of the transmission line and related facilities addressed in this Certificate. In addition to any transmission repairs, relevant corrective actions may include adjusting or modifying receivers; adjusting, repairing, replacing or adding antennas, antenna signal amplifiers, filters, or lead-in cables; or other corrective actions.

The Applicant shall maintain written records for a period of five years of all complaints of radio or television interference attributable to operation, together with the corrective action taken in response to each complaint. All complaints shall be recorded to include notations on the corrective action taken. Complaints not leading to a specific action or for which there was no resolution shall be noted and explained. The record shall be signed by the Applicant and also the complainant, if possible, to indicate concurrence with the corrective action or agreement with the justification for a lack of action.

5. The North Valley Project shall comply with applicable noise standards of the federal Department of Housing and Urban Development and the Environmental Protection Agency.
6. The Applicant shall continue to consult with the State Historic Preservation Office ("SHPO") to reach a determination of any cultural or archeological impacts as a result of construction activities. If the result is a determination of negative impact, the Applicant shall continue to consult with the SHPO to resolve the negative impacts. The Applicant will provide a treatment plan, to minimize impacts, for SHPO review and approval and shall continue to consult with SHPO to resolve any such impacts. The Applicant shall avoid and/or minimize impacts to properties considered eligible for inclusion in the State and National Register of Historic Places to the extent possible.
7. If the Applicant determines that historic-period structures Beardsley Canal and Black Canyon Road and archaeological sites AZ T:7:192 (ASM), AZ T:3:1 (MNA) and AZ T:3:2 (MNA)

cannot be avoided, then the Applicant shall plan and implement a mitigation program in consultation with SHPO.

8. If human remains and/or funerary objects are encountered during the course of any ground disturbing activities relating to the development of the subject property, Applicant shall cease work on the affected area of the Project and notify the Director of the Arizona State Museum in accordance with A.R.S. § 41-865.
9. Applicant shall retain an archeologist on site during construction activities in applicable areas, as determined by SHPO, to advise them in connection with any additional archeological studies that may be required and any mitigation efforts for archeological sites that may be affected by the construction of the Project.
10. After construction, the Applicant, in conjunction with any applicable land managing agency, shall allow Arizona Site Stewards, a volunteer-staffed SHPO program, to periodically inspect the sites within the corridor for vandalism or other damage.
11. The Applicant shall follow the Arizona State Land Department's instructions, if any, regarding the treatment of State Register of Historic Places-eligible properties situated on Arizona State Land Department land in consultation with SHPO.
12. In consultation with SHPO and the land-managing agency, the Applicant will consider and assess potential direct and indirect impacts to eligible properties related to new access roads or any existing access roads that require blading.
13. The Applicant shall design the transmission lines so as to minimize impacts to raptors.
14. Where practicable, the Applicant shall use existing roads for construction and access. The Applicant shall minimize vegetation disturbance, particularly in drainage channels and along stream banks, and shall re-vegetate or restore areas of construction disturbance.
15. The Applicant shall use non-specular conductor and dulled surfaces for transmission line structures.

16. Within 45 days of securing easement or right of way for the Project, the Applicant shall erect and maintain signs providing public notice that the property is the site of a future transmission line. Such signage shall be no smaller than a normal roadway sign. The Applicant shall place signs in prominent locations at reasonable intervals such that the public is notified along the full length of the transmission line until the transmission structures are constructed. There must also be signs at the location of the proposed substations. The signs shall advise:

- that the site has been approved for the construction of Project facilities including a 230 kV transmission line, as applicable to the individual site;
- the expected date of completion of the Project facilities; and
- a phone number for public information regarding the Project.

17. In the event that the Project requires an extension of the term of this Certificate prior to completion of construction, Applicant shall use reasonable means to directly notify all landowners and residents within a one-half mile radius of the Project facilities for which the extension is sought. Such landowners and residents shall be notified of the time and place of the proceeding in which the Commission shall consider such request for extension.

18. Before construction on this Project may commence, the Applicant must file a construction mitigation and restoration plan with ACC Docket Control with copies to affected areas of jurisdiction. The Applicant shall, within one year of completion of construction of the Project, rehabilitate to its original state any area disturbed by construction of the Project, except for any road that may be necessary to access the transmission lines or substation sites for maintenance and repair.

The goals of the Plan will be to:

- Avoid impacts where practical;
- Where impacts are unavoidable, minimize impacts; and
- Focus on site preparation to facilitate natural processes of revegetation

Other key elements of the Plan, when not inconsistent with the respective land management agencies' or local owners' requirements, are to:

- Emphasize final site preparation to encourage natural revegetation
- Avoid (i.e., preserve), where practical, mature native trees;
- Stipulate a maximum construction corridor width;
- Reserve topsoil and native plant materials from right-of-way before grading, and respread over the right-of-way after construction is complete;
- Imprint the restored right-of-way to provide indentations to catch seed and water;
- Implement best management practices to protect the soil;
- Apply restoration methods that have been shown to work in the desert environment; and
- Prevent the spread of noxious weeds or other undesirable species.

A separate construction mitigation and restoration plan shall be submitted for the conducting of the second circuit on the Project if such conducting does not occur at the same time as the remainder of the Project is constructed.

19. Applicant shall retain a qualified biologist to monitor all ground clearing/disturbing construction activities that may affect sensitive habitat. The biological monitor will be responsible for ensuring proper actions are taken if a special status species is encountered. If Sonoran desert tortoises are encountered during construction, the Applicant shall follow the Arizona Game & Fish Department's Guidelines for Handling Sonoran Desert Tortoises.
20. Applicant shall salvage mesquite, ironwood, saguaro and palo verde trees removed during project construction activities consistent with Arizona's Native Plant Law and use the vegetation for reclamation in or near its original location.
21. Applicant shall implement landscaping for the substation sites in accordance with the applicable municipal planning and zoning requirements.
22. The Applicant shall submit a self-certification letter annually,

1 identifying which conditions contained in the Certificate have  
2 been met. Each letter shall be submitted to the Utilities Division  
3 Director on December 1, beginning in 2004. Attached to each  
4 certification letter shall be documentation explaining, in detail,  
5 how compliance with each condition was achieved. Copies of  
6 each letter, along with the corresponding documentation, shall  
7 also be submitted to the Arizona Attorney General, Department of  
8 Water Resources, and Department of Commerce Energy Office.

9  
10 23. For that segment of the route that crosses the planned Happy  
11 Valley Road Towne Center property leased by Roles and located  
12 at the southeast corner of I-17 and Happy Valley Road ("Roles  
13 Segment"), Applicant shall:

- 14 (a) Construct 230 kV double-circuit tangent steel monopoles  
15 and relocate the existing 69 kV transmission line to such  
16 monopoles at Applicant's expense;
- 17 (b) Match spans with existing structures that shall have a  
18 minimum ground clearance equal to or greater than the  
19 ground clearance of the existing lines on the Roles  
20 Segment;
- 21 (c) Use commercially reasonable efforts to locate structures  
22 within the existing transmission line easement across the  
23 property;
- 24 (d) Work in good faith with Roles, Salt River Project, and the  
25 Western Area Power Administration to facilitate the  
26 reconstruction of the existing 230 kV transmission  
structures on the property as monopoles, with the costs of  
such reconstruction to be allocated as agreed to by  
Applicant and Roles;
- (e) Construct Applicant's monopoles on the property within  
one year of the effective date of this Certificate provided  
that Roles has final, approved plans and permits to  
construct at that time and has commenced construction;  
however, if Roles has not accomplished the foregoing  
within one year of the Effective Date of the Certificate,  
Applicant's obligation to construct shall be at such time

that Roles has final, approved plans and permits to construct and has commenced construction;

- (f) Relocate Applicant's existing 69 kV transmission line within the same period described in (e), provided that an outage on the 69 kV transmission line can be safely and reliably taken during that period.

24. Applicant shall continue to coordinate this Project with both SRP and Western Area Power Administration ("WAPA") to ensure that all possible projects are maximally integrated, taking into account serving Arizona's growing need for electrical service, ensuring reliability for the Project and the Arizona Transmission System and minimizing any and all adverse environmental impacts. Applicant shall provide to the ACC written confirmation of continuing efforts at coordination as described above as part of its compliance with this Certificate.

25. With respect to the Project, Applicant shall participate in good faith in state and regional transmission study forums, and shall coordinate transmission expansion plans related to the Project to resolve transmission constraints in a timely manner.

26. The following condition is to ensure transmission system safety and reliability when a transmission structure is placed within one hundred feet of a natural gas or hazardous liquid pipeline right of way, excluding distribution lines as defined by the Code of Federal Regulations. Under such circumstances, the Applicant shall:

- (a) Provide the appropriate grounding and cathodic protection studies to show that the transmission line results in no material adverse impacts to such natural gas or hazardous liquid pipeline, whose right of way is a hundred feet or less from the transmission structure, when both are in operation. A report of studies shall be provided to the ACC by the Applicant as part of its compliance with the Certificate. If material adverse impacts are noted in the studies, Applicant shall take appropriate steps to ensure such material adverse impacts are eliminated. Applicant shall provide to the ACC written documentation of the

actions that were taken and provide documentation showing that no material adverse impacts are occurring.

- (b) Adopt a written mitigation plan outlining any and all steps taken to protect all electric facilities associated with the transmission line as a result of this Project from any potential hazards that could occur whenever a transmission line structure is placed 100 feet or less from any such pipeline right of way. The plan shall indicate what corrective action will be taken to mitigate any potential hazard that could occur. A potential hazard includes, but is not limited to, a rupture or explosion resulting from the pipeline. The written mitigation plan shall be provided to the ACC by the Applicant as part of its compliance with this Certificate and shall be subject to approval from Commission Staff. Applicant shall implement the written mitigation plan during a hazard as part of its compliance with this Certificate.

27. The Applicant shall provide copies of this Certificate to appropriate city and county planning agencies.
28. In the final siting of this line, Applicant will work in good faith to offset lines approximately  $\frac{1}{4}$  mile from the Dove Valley Road alignment.
29. Applicant shall make good faith effort to work with affected municipalities and land management agencies to encourage future development to move major arterials away from major transmission corridors.

GRANTED this 24<sup>th</sup> day of April, 2003.

THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE

By: Laurie A. Woodall  
Laurie A. Woodall, Chairman

APPROVED BY ORDER OF THE ARIZONA CORPORATION COMMISSION

[Signature]  
Chairman

[Signature]  
Commissioner

[Signature]  
Commissioner

[Signature]  
Commissioner

[Signature]  
Commissioner

In Witness Hereof, I, Brian C. McNeil, Executive Secretary of the Arizona Corporation Commission, set my hand and cause the official seal of this Commission to be affixed, this 18<sup>th</sup> day of June, 2003.

By: [Signature]  
James G. Jayne  
Interim Executive Secretary

Dissent: \_\_\_\_\_

237239/cg

**NORTH VALLEY**  
NORTH VALLEY PROJECT

**Proposed Route Corridor**

## General Reference Features

- Interstate/Highway
- Section Line
- Lake
- Stream/River
- Canal
- ▲/■ Existing Structures



**Editorial:** *Editorial Board*

Bayle 1:62,500

**APS**

100

**DECISION NO. 652927**

## **EXHIBIT B**

## BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

Jeff Hatch-Miller, Chairman  
 William A. Mundell  
 Mike Gleason  
 Kristin K. Mayes  
 Gary Pierce

Arizona Corporation Commission  
**DOCKETED**

FEB 20 2007

Exhibit D  
 Page 26 of 54  
**FEB 26 2007**

DOCKETED BY

nr

IN THE MATTER OF THE APPLICATION OF  
 ARIZONA PUBLIC SERVICE COMPANY IN  
 CONFORMANCE WITH THE REQUIREMENTS  
 OF ARIZONA REVISED STATUTES SECTION  
 40-360, *et seq.*, FOR A CERTIFICATE OF  
 ENVIRONMENTAL COMPATIBILITY  
 AUTHORIZING THE TS-9 TO PINNACLE  
 PEAK 500Kv/230Kv TRANSMISSION LINE  
 PROJECT WHICH INCLUDES A 500Kv/  
 TRANSMISSION LINE, A 230Kv  
 TRANSMISSION LINE AND ASSOCIATED  
 FACILITIES AND INTER-CONNECTION  
 ORIGINATING FROM THE PROPOSED TS-9  
 SUBSTATION LOCATED SOUTH OF SR74 IN  
 PEORIA, AT SECTION 33, TOWNSHIP 6  
 NORTH, RANGE 1 EAST, G&SRB&M, TO THE  
 EXISTING PINNACLE PEAKE SUBSTATION  
 LOCATED NEAR 64<sup>TH</sup> STREET AND  
 PINNACLE PEAK ROAD IN PHOENIX, AT  
 SECTION 10, TOWNSHIP 4 NORTH, RANGE 4  
 EAST, G&SRB&M.

DOCKET NO. L-00000D-06-0635-00131

CASE NO. 131

DECISION NO. **69343**

The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") is hereby granted as modified by this Order.

The Commission modifies the CEC by deleting condition 12 and substituting a new condition 12 as follows:

12. Pursuant to A.R.S. § 41-844, if any archaeological, paleontological or historical site or object that is at least fifty years old is discovered on state, county or municipal land during plan-

1 related activities, the person in charge shall promptly report the discovery to the Director of the  
2 Arizona State Museum, and in consultation with the Director, shall immediately take all reasonable  
3 steps to secure and maintain the preservation of the discovery. If human remains and/or funerary  
4 objects are encountered on private land during the course of any ground-disturbing activities relating  
5 to the development of the subject property, Applicant shall cease work on the affected area of the  
6 Project and notify the Director of the Arizona State Museum pursuant to A.R.S. § 41-865.

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The Commission further finds and concludes that: (1) the Project is in the public interest because it aids the state in meeting the need for an adequate, economical and reliable supply of electric power; (2) in balancing the need for the Project with its effect on the environment and ecology of the state, the conditions placed on the CEC by the Committee as modified by the Commission effectively minimize its impact on the environment and ecology of the state; (3) the conditions placed on the CEC by the Committee as modified by the Commission resolve matters concerning the need for the Project and its impact on the environment and ecology of the state raised during the course of proceedings, and as such, serve as the findings on the matters raised; and (4) in light of these conditions, the balancing in the broad public interest results in favor of granting the CEC as modified by the Commission.

**THE CEC ISSUED BY THE SITING COMMITTEE IS INCORPORATED HEREIN  
AND IS APPROVED AS MODIFIED BY THE COMMISSION  
BY ORDER OF THE ARIZONA CORPORATION COMMISSION**

*Jeffrey M. Hatch-Miller*  
CHAIRMAN

*Will A. Moore*  
COMMISSIONER

*Louise L. Stinson*  
COMMISSIONER

*John M. [Signature]*  
COMMISSIONER

*Gary L. Quinn*  
COMMISSIONER

IN WITNESS WHEREOF, I BRIAN C. MCNEIL, Executive Director of the Arizona Corporation Commission, have hereunto, set my hand and caused the official seal of this Commission to be affixed at the Capital, in the City of Phoenix, this 20th day of February, 2007.

*Brian C. McNeil*  
BRIAN C. MCNEIL  
Executive Director

DISSENT: \_\_\_\_\_

DISSENT: \_\_\_\_\_

**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY IN CONFORMANCE WITH  
THE REQUIREMENTS OF ARIZONA  
REVISED STATUTES SECTION 40-360,  
*et seq.*, FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE TS-9 TO PINNACLE  
PEAK 500kV/230kV TRANSMISSION LINE  
PROJECT WHICH INCLUDES A 500kV  
TRANSMISSION LINE, A 230kV  
TRANSMISSION LINE AND  
ASSOCIATED FACILITIES AND INTER-  
CONNECTIONS ORIGINATING FROM  
THE PROPOSED TS-9 SUBSTATION  
LOCATED SOUTH OF SR74 IN PEORIA,  
AT SECTION 33, TOWNSHIP 6 NORTH,  
RANGE 1 EAST, G&SRB&M, TO THE  
EXISTING PINNACLE PEAK  
SUBSTATION LOCATED NEAR 64<sup>TH</sup>  
STREET AND PINNACLE PEAK ROAD  
IN PHOENIX, AT SECTION 10,  
TOWNSHIP 4 NORTH, RANGE 4 EAST,  
G&SRB&M.

Docket No. L-00000D-06-0635-00131

Case No. 131

**CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

Pursuant to notice given as provided by law, the Arizona Power Plant and  
Transmission Line Siting Committee (the "Committee") held public hearings on  
November 27 and 28, and December 11 and 12, 2006, all in conformance with the  
requirements of Arizona Revised Statutes ("A.R.S.") § 40-360, *et seq.*, for the purpose of  
receiving evidence and deliberating on the Application of Arizona Public Service  
Company ("Applicant") for a Certificate of Environmental Compatibility ("Certificate") in  
the above-captioned case (the "Project").

1 The following members and designees of members of the Committee were present  
2 at one or more of the hearings for the evidentiary presentations and/or for the  
3 deliberations:

4 Laurie Woodall Chairman, Designee for Arizona Attorney General,  
5 Terry Goddard

6 David L. Eberhart, P.E. Designee for Chairman, Arizona Corporation  
7 Commission

8 Ed Ranger Designee for Director, Arizona Department of  
9 Environmental Quality

10 Jim Arwood Designee for Director, Energy Department, Arizona  
11 Department of Commerce

12 Jeff McGuire Appointed Member

13 Michael Palmer Appointed Member

14 Joy Rich Appointed Member

15 A. Wayne Smith Appointed Member

16 Michael Whalen Appointed Member

17 The Applicant was represented by Thomas H. Campbell and Albert H. Acken of  
18 Lewis and Roca LLP, and Karilee S. Ramaley of Pinnacle West Capital Corporation. The  
19 following parties were granted intervention pursuant to A.R.S. § 40-360.05: Commission  
20 Staff, represented by Charles Hains and Robin R. Mitchell; United Services Automobile  
21 Association, represented by C. Webb Crockett of Fennemore Craig, P.C.; Pulte Homes,  
22 represented by Michele Molinario of Ridenour, Hienton, Kelhoffer, Lewis & Garth,  
23 P.L.L.C.; Trammel Crow Residential, represented by William E. Lally of Withey,  
24 Anderson & Morris, P.L.C.; and TAG Land Pinnacle LLC, represented by Robert N.  
25 Pizorno of Beus, Gilbert, PLLC.

26 At the conclusion of the hearings, the Committee, having received the Application,  
the appearances of the parties, the evidence, testimony and exhibits presented at the

1 hearings, and being advised of the legal requirements of A.R.S. §§ 40-360 to 40-360.13,  
2 upon motion duly made and seconded, voted, 7 in favor, 2 opposed, to grant the Applicant  
3 the following Certificate of Environmental Compatibility (Case No. 131):

4 The Project route is similar to the route that was approved in Docket L-00000D-02-  
5 0120 (North Valley 230kV Facility Siting Project) (Case No. 120, Decision No. 65997).

6 The Project is a double-circuit transmission line with one 500 kV circuit and one  
7 230 kV circuit and two substations. In addition, 230 kV double-circuit transmission lines  
8 will be used to tie into previously certificated substations. The Project route (depicted on  
9 **Exhibit A** attached hereto) will originate at the proposed TS-9 Substation in Section 33,  
10 Township 6 North, Range 1 East parallel to the existing Navajo 500kV Transmission Line  
11 Corridor ("Navajo Corridor") (State Land ROW No. 14-26216), following the Navajo  
12 Corridor southwest to the Dove Valley Road alignment in a 1,500 foot wide corridor  
13 measured to the east from the westernmost edge of the existing Navajo Corridor right-of-  
14 way.

15 The route then turns east and follows the Dove Valley Road alignment east to the  
16 39<sup>th</sup> Avenue alignment adjacent to the future Avery Substation, approved in Case L-  
17 00000D-02-0120, located in Section 15, Township 6 North, Range 2 East in a 3,000 foot  
18 corridor (1,500 feet north and 1,500 feet south) centered on the section line designating the  
19 Dove Valley Road alignment.

20 From that point the route turns south following the 39<sup>th</sup> Avenue alignment south for  
21 one mile to the Lone Mountain Road alignment in a 2,000 foot wide corridor (1,000 feet  
22 east and 1,000 feet west) centered on the mid-section line designating 39<sup>th</sup> Avenue.

23 The route then turns southeast crossing Sections 22 and 23, Township 5 North,  
24 Range 2 East on a southeasterly diagonal to meet Interstate 17 at a point designated as  
25 Latitude 33.7, Longitude -112.13 in a 2,000 foot corridor (1,000 feet each side) centered  
26

1 on the alignment between the intersection of 39<sup>th</sup> Avenue and Lone Mountain Road and  
2 Latitude 33.7, Longitude -112.13.

3 From that point the route follows the west side of Interstate 17 south to Oberlin  
4 Way in a 500 foot corridor west of the existing Arizona Department of Transportation  
5 ("ADOT") right-of-way.

6 The route continues south along the west side of Interstate 17 from Oberlin Way to  
7 the existing 230kV power line corridor ("WW-PP Corridor") (which includes fee-owned  
8 lands, private easements, and State Land ROW No. 16-4298) located approximately ¼  
9 mile south of Happy Valley Road in a 1,000 foot corridor west of the existing ADOT  
10 right-of-way.

11 From that point the route then turns east within the WW-PP Corridor along the  
12 north side of the existing 230kV double-circuit power line to Central Avenue within a 175  
13 foot corridor north of the centerline of the existing 230kV double-circuit structures.

14 At Central Avenue, the 230kV circuit turns south to form an in and out  
15 interconnection with the Misty Willow Substation, approved in Case L-00000D-02-0120,  
16 located in Section 8, Township 4 North, Range 3 East within a 1,000 foot corridor (500  
17 feet east and 500 feet west) along the centerline of Central Avenue.

18 Both circuits (500kV/230kV) then continue east within the existing WW-PP  
19 Corridor along the north side of the northernmost existing 230kV power line to 56<sup>th</sup> Street  
20 within a 175 foot corridor north of the existing 230kV structures.

21 The route continues east within the existing WW-PP Corridor along the north side  
22 of the northernmost existing 230kV power line to its termination at the Pinnacle Peak  
23 Substation located in Section 10, Township 4 North, Range 4 East within a 1,500 foot  
24 corridor north of the centerline of the northernmost existing 230kV structures.

1       The Project shall be constructed on double-circuit monopoles. Conceptual models  
2 of the monopoles are depicted in Exhibits G-1 through G-4 of the application, attached  
3 hereto as **Exhibit B**.

4       This Certificate is granted upon the following conditions:

- 5       1.     The Applicant shall obtain all required approvals and permits necessary to  
6             construct the Project.
  - 7       2.     The Applicant shall comply with all existing applicable ordinances, master  
8             plans and regulations of the State of Arizona, the County of Maricopa, the  
9             United States, and any other governmental entities having jurisdiction.
  - 10      3.     This authorization to construct the Project shall expire ten years from the  
11             date the Certificate is approved by the Arizona Corporation Commission (the  
12             "Commission").
  - 13      4.     The Applicant shall make every reasonable effort to identify and correct, on  
14             a case-specific basis, all complaints of interference with radio or television  
15             signals from operation of the transmission line and related facilities  
16             addressed in this Certificate. The Applicant shall maintain written records  
17             for a period of five years of all complaints of radio or television interference  
18             attributable to operation, together with the corrective action taken in  
19             response to each complaint. All complaints shall be recorded to include  
20             notations on the corrective action taken. Complaints not leading to a  
21             specific action of for which there was no resolution shall be noted and  
22             explained.
  - 23      5.     The Project shall comply with applicable noise standards of the federal  
24             Department of Housing and Urban Development and the Environmental  
25             Protection Agency.
- 26

6. If all Register-eligible properties cannot be avoided, then the Applicant will continue to consult with the State Historic Preservation Office ("SHPO") to resolve the negative impacts.
7. The Applicant shall avoid and/or minimize impacts to properties considered eligible for inclusion in the State Register of Historic Places to the extent possible.
8. If the Applicant decides that historic-period structures Beardsley Canal and Black Canyon Road and archaeological Sites AZ T:3:361, 362, 363 and 364, AZ T:7:192 and AZ T:8:157, AZ T:3:1 (MNA), and AZ T:3:2 (MNA) cannot be avoided, then the Applicant will plan and implement a mitigation program in consultation with SHPO.
9. After construction, the Applicant, in conjunction with any applicable land managing agency, shall allow Arizona Site Stewards, a volunteer-staffed SHPO program, to periodically inspect the sites within the corridor for vandalism or other damage.
10. In consultation with SHPO and the land-managing agency, the Applicant will consider and assess potential direct and indirect impacts to eligible properties related to new access roads or any existing access roads that require blading.
11. The Applicant shall follow any instructions from the Arizona State Land Department ("ASLD") regarding the treatment of State Register of Historic Places-eligible properties situated on ASLD land in consultation with SHPO.
12. If human remains and/or funerary objects are encountered during the course of any ground disturbing activities relating to the development of the subject property, Applicant shall cease work on the affected area of the Project and

1 notify the Director of the Arizona State Museum in accordance with A.R.S.  
2 § 41-865.

3 13. The Applicant shall design the transmission lines so as to minimize impacts  
4 to raptors.

5 14. Where practicable, the Applicant shall use existing roads for construction  
6 and access. The Applicant shall minimize vegetation disturbance outside of  
7 the Project right-of-way, particularly in drainage channels and along stream  
8 banks, and shall re-vegetate or restore areas of construction disturbance  
9 outside of the Project right-of-way after construction has been completed.

10 15. The Applicant shall use non-specular conductor and dulled surfaces for  
11 transmission line structures.

12 16. Within 120 days of the Commission decision granting this Certificate,  
13 Applicant will post signs in public rights-of-way giving notice of the Project  
14 corridor. Within 45 days of securing easement or right-of-way for the  
15 Project, the Applicant shall erect and maintain signs providing public notice  
16 that the property is the site of a future transmission line. Such signage shall  
17 be no smaller than a normal roadway sign. The Applicant shall place signs  
18 in prominent locations at reasonable intervals such that the public is notified  
19 along the full length of the transmission line until the transmission structures  
20 are constructed. There must also be signs at the location of the proposed  
21 substations. The signs shall advise:

- 22 (a) That the site has been approved for the construction of Project  
23 facilities including 500/230kV transmission lines or substation, as  
24 applicable to the individual site;  
25 (b) The expected date of completion of the Project facilities;  
26 (c) A phone number for public information regarding the Project;

- (d) The name of the Project;
- (e) The name of the Applicant; and
- (f) The Applicant's website.

Sign placement will be reported annually in accordance with Condition 22.

17. In the event that the Project requires an extension of the term of this Certificate prior to completion of construction, Applicant shall use reasonable means to directly notify all landowners and residents within a one-half mile of the Project corridor for which the extension is sought. Such landowners and residents shall be notified of the time and place of the proceeding in which the Commission shall consider such request for extension.

18. Before construction on this Project may commence, the Applicant must file a construction mitigation and restoration plan with Docket Control with copies to the affected areas of jurisdiction. The Applicant shall, within one year of completion of construction of the Project, rehabilitate to its original state any area disturbed by construction of the Project, except for any road that may be necessary to access the transmission lines or substation sites for maintenance and repair.

The goals of the Plan will be to:

- (a) Avoid impacts where practical;
- (b) Where impacts are unavoidable, minimize impacts; and
- (c) Focus on site preparation to facilitate natural processes of revegetation.

Other key elements of the Plan, when not inconsistent with the respective land management agencies' or local owners' requirements, are to:

- (a) Emphasize final site preparation to encourage natural revegetation;

- (b) Avoid (e.g., preserve), where practical, mature native trees;
  - (c) Stipulate a maximum construction corridor width;
  - (d) Reserve native plant materials from right-of-way before grading and replant after construction is complete;
  - (e) Imprint the restored right-of-way to provide indentations to catch seed and water;
  - (f) Implement best management practices to protect the soil;
  - (g) Apply restoration methods that have been shown to work in the desert environment; and
  - (h) Prevent the spread of noxious weeds or other undesirable species.
19. Applicant shall retain a qualified biologist to monitor all ground clearing/disturbing construction activities that may affect sensitive species or habitat. The biological monitor will be responsible for ensuring proper actions are taken if a special status species is encountered. If Sonoran desert tortoises are encountered during construction, the Applicant shall follow the Arizona Game & Fish Department's ("AGFD's") Guidelines for Handling Sonoran Desert Tortoises.
20. Applicant shall salvage mesquite, ironwood, saguaro and palo verde trees removed during Project construction activities consistent with Arizona's Native Plant Law and use the vegetation for reclamation in or near its original location.
21. Applicant shall implement landscaping for the substation sites in accordance with the applicable municipal planning and zoning requirements.
22. The Applicant shall submit a self-certification letter annually, identifying progress made with respect to each condition contained in the Certificate, including which conditions have been met. Each letter shall be submitted to

1 the Utilities Division Director on December 1 beginning in 2007. Attached  
2 to each certification letter shall be documentation explaining how  
3 compliance with each condition was achieved. Copies of each letter along  
4 with the corresponding documentation shall be submitted to the Arizona  
5 Attorney General and Department of Commerce Energy Office. The  
6 requirement for the self-certification shall expire on the date the Project is  
7 placed into operation.

8 23. With respect to the Project, Applicant shall participate in good faith in state  
9 and regional transmission study forums and will continue its coordination  
10 with both Salt River Project and Western Area Power Administration to  
11 coordinate transmission expansion plans related to the Project and to resolve  
12 transmission constraints in a timely manner.

13 24. Applicant shall coordinate construction through the Happy Valley Towne  
14 Center with the property owners to minimize impact on the retail operation  
15 of the Center.

16 25. The Applicant shall provide copies of this Certificate to the City of Phoenix  
17 and City of Peoria planning agencies, mayors, and city councils, the  
18 Maricopa County Planning and Development Department, the Maricopa  
19 County Board of Supervisors, SHPO, AGFD, ADOT, and ASLD.

20 26. Before commencing construction of Project facilities located within 100 feet  
21 of any existing natural gas or hazardous liquid pipeline, the Applicant shall:  
22 (a) perform the appropriate grounding and cathodic protection studies to  
23 show that the Project's location within 100 feet of such pipeline  
24 results in no material adverse impacts to the natural gas or hazardous  
25 liquid pipeline or to public safety when both are in operation. A  
26 report of studies shall be provided to the Commission Staff as part of

1 Applicant's compliance with the Certificate. If material adverse  
2 impacts are noted in the studies, Applicant shall take appropriate steps  
3 to ensure that such material adverse impacts are eliminated.

4 Applicant shall provide to the Commission Staff written  
5 documentation of the actions that will be taken and documentation  
6 showing no material adverse impact will occur; and

- 7 (b) perform a technical study simulating an outage of the facility that may  
8 be caused by the collocation of the Project within 100 feet of the  
9 existing natural gas or hazardous liquid pipeline. This study should  
10 either: i) show that such outage does not result in customer outages;  
11 or ii) include operating plans to minimize any resulting customer  
12 outages. Applicant shall provide a copy of this study to Commission  
13 Staff.

14 27. Prior to the date this transmission line is put into commercial service, the  
15 Applicant shall provide homebuilders and developers within one mile of the  
16 center line of the certificate route the identity, location, and a pictorial  
17 depiction of the type of power line being constructed, accompanied by a  
18 written description, and encourage the developers and homebuilders to  
19 include this information in the developers' and homebuilders' homeowners'  
20 disclosure statements.

21 28. Applicant shall use commercially reasonable efforts to work with Pinnacle  
22 Cemeteries to mitigate visual impacts at the Pinnacle Cemeteries from the  
23 Project.

24 29. Within 90 days of the final Commission decision granting this Certificate,  
25 Applicant shall file an A.R.S. § 40-252 application for approval of  
26 modification(s) to Commission Decision No. 65997, which granted the

Certificate in Case 120, to reflect the grant of this Certificate. Specifically, Applicant will request that the following condition be added to Decision No. 65997: "Applicant shall not build that portion of the Project approved in this case located between: (a) the intersection of the section line that designates the Dove Valley Road alignment and the existing Navajo - Westwing 500/230 kV corridor; and (b) the Pinnacle Peak substation. Applicant retains the authorization to construct the Avery and Misty Willow substations (Decision No. 65997, Case 120, pages 3:15-17 and 4:9-11) and also that portion of the double-circuit 230 kV transmission line between Westwing and Raceway substations (Decision No. 65997, Case 120, page 3:5-13), as described, noticed and certificated in this Case 120. Further, Condition 23 of the Certificate in Decision 65997, Case 120, is no longer applicable."

30. Applicant shall make a good faith effort to work with affected municipalities and land management agencies to encourage future development to move major arterials away from major transmission corridors.
31. Applicant shall work in good faith with the City of Peoria, ADOT, and ASLD regarding the final right-of-way on that portion of the route along the Dove Valley Road alignment.

GRANTED this 29 day of December 2006.

THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE

*Laurie A Woodall* 2/6/07  
Laurie A. Woodall, Chairman  
Assistant Attorney General

## EXHIBIT A

TS-9 SUBSTATION  
130 acres in Section 33,  
Township 6 North,  
Range 1 East

1,500' east from the  
westernmost edge  
of the existing  
Right-of-Way  
From TS-9 to the Dove  
Valley Road alignment

3,000' (1,500' north & 1,500' south) centered  
on the section line designating  
the Dove Valley Road alignment from  
the Navajo 500kV Transmission Line Corridor  
to the 39th Ave. alignment

AVERY SUBSTATION  
Approximately 1/2 mile west of I-17 in Section 15,  
Township 5 North, Range 2 East.

2,000' (1,000' east & west) centered on  
the mid-section line designating 39th Ave.

500' west of existing  
ADOT Right-of-Way from south of  
Lat. 33.7, Long. -112.13 to Oberlin Way

1,000' west of existing  
ADOT Right-of-Way from Oberlin Way  
to 1/4 mile south of Happy Valley Rd.

1,000' (500' east & west) along  
the centerline of Central Ave. from  
the existing 230kV structures to  
the Misty Willow Substation  
(230 kV Circuit Only)

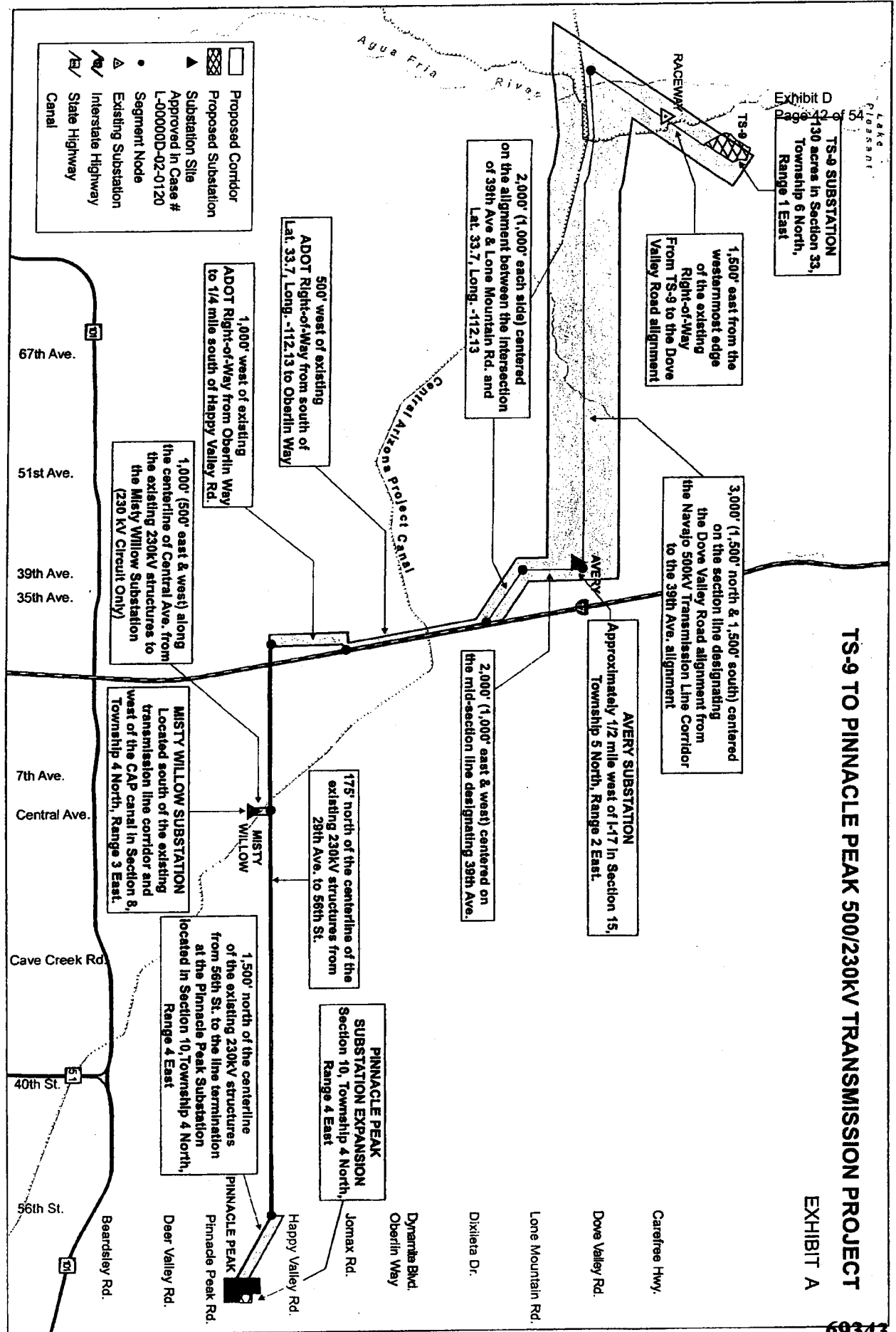
MISTY WILLOW SUBSTATION  
Located south of the existing  
transmission line corridor and  
west of the CAP canal in Section 8,  
Township 4 North, Range 3 East.

175' north of the centerline of the  
existing 230kV structures from  
28th Ave. to 56th St.

PINNACLE PEAK  
SUBSTATION EXPANSION  
Section 10, Township 4 North,  
Range 4 East

1,500' north of the centerline  
of the existing 230kV structures  
from 56th St. to the line termination  
at the Pinnacle Peak Substation  
located in Section 10, Township 4 North,  
Range 4 East

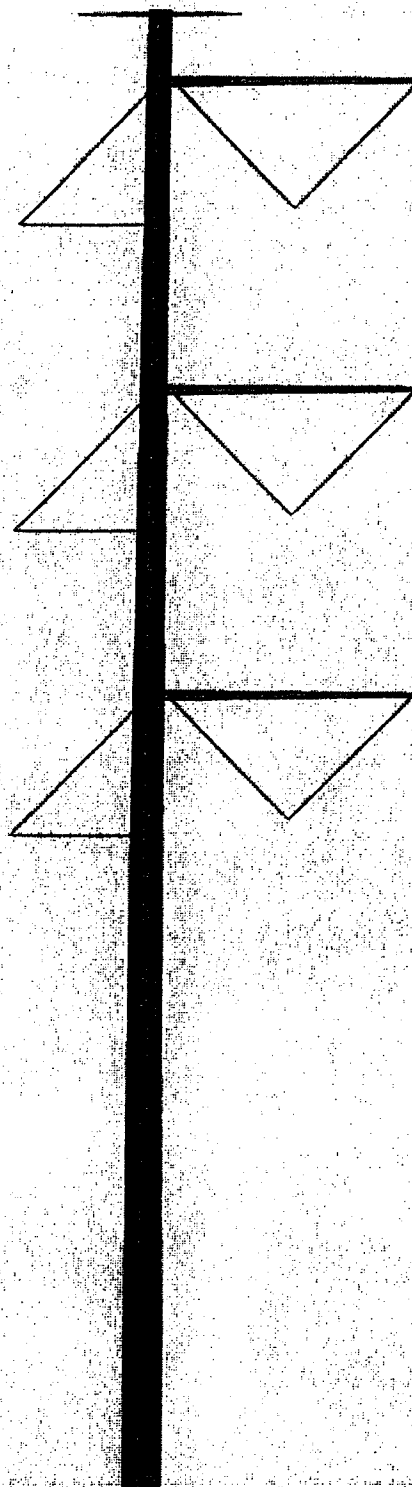
- Proposed Corridor
- Proposed Substation
- Substation Site
- Approved in Case # L-00000D-02-0120
- Segment Node
- Existing Substation
- Interstate Highway
- State Highway
- Canal



# TS-9 TO PINNACLE PEAK 500/230KV TRANSMISSION PROJECT

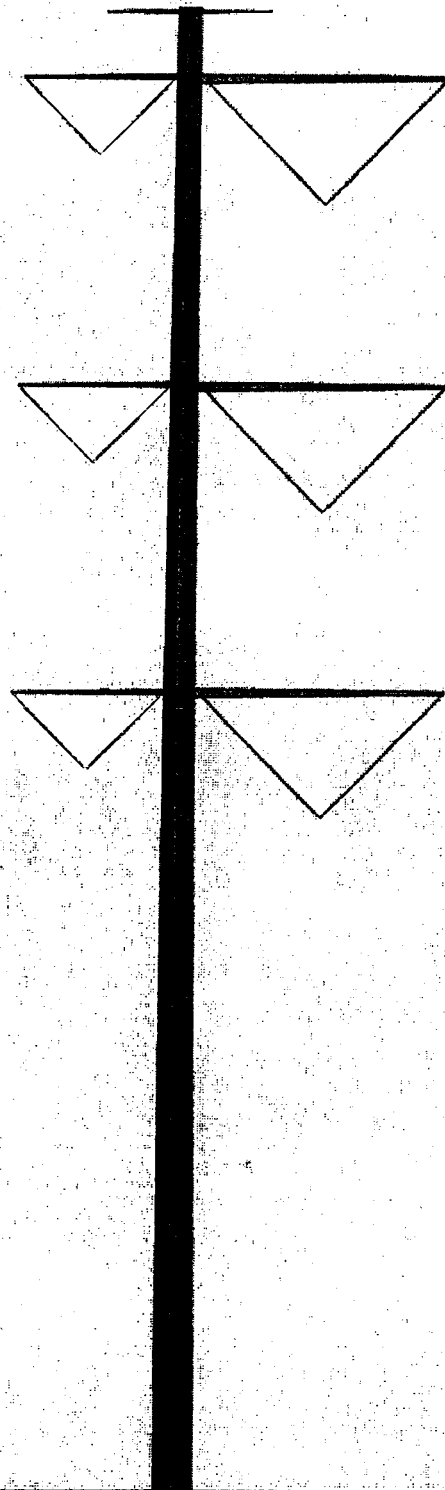
## EXHIBIT A

## EXHIBIT B



Typical Height  
150'-165'

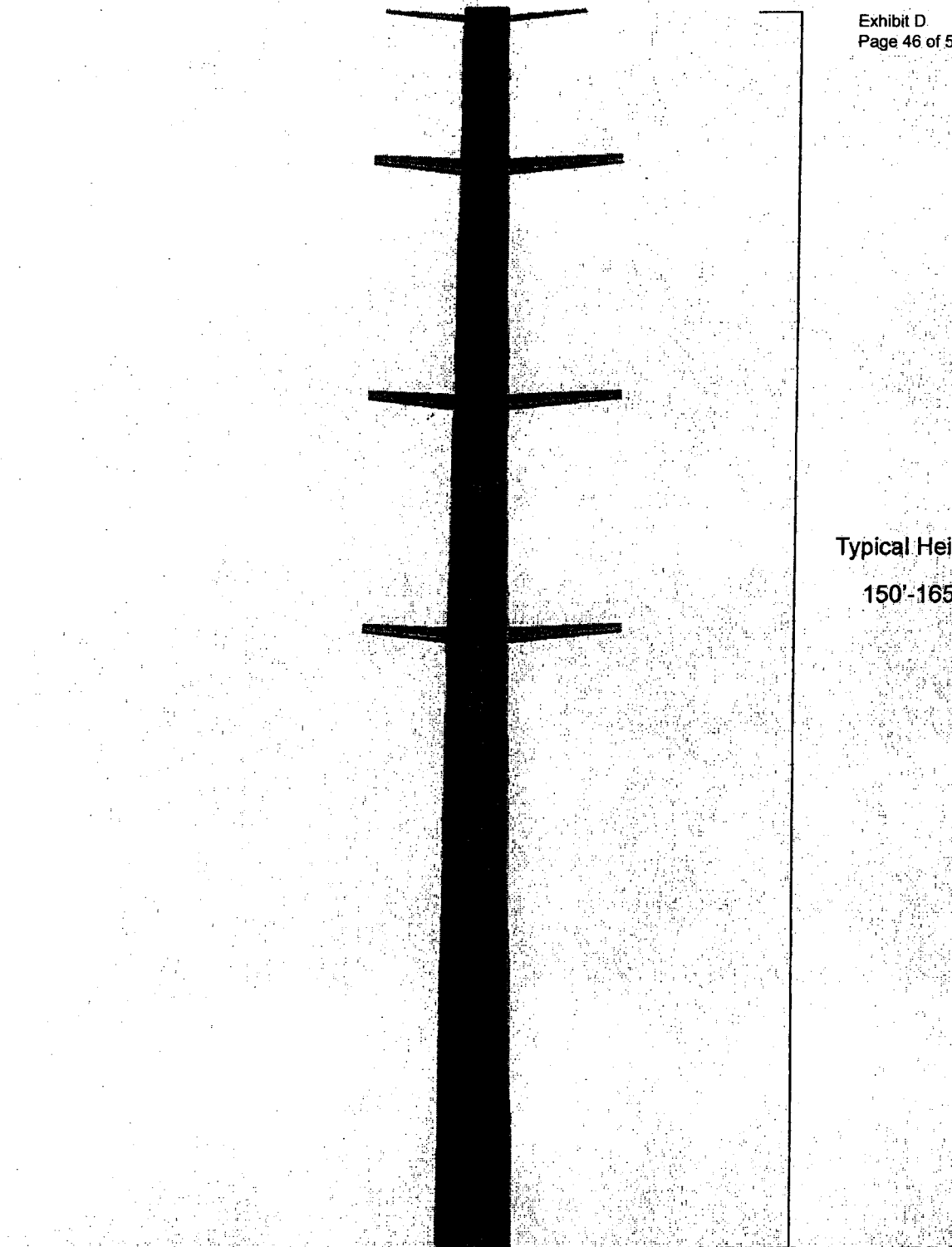
**EXHIBIT G-1**  
Conceptual 500/230kV Steel Monopole Structure  
(Design Configuration #1)



Typical Height  
150'-165'

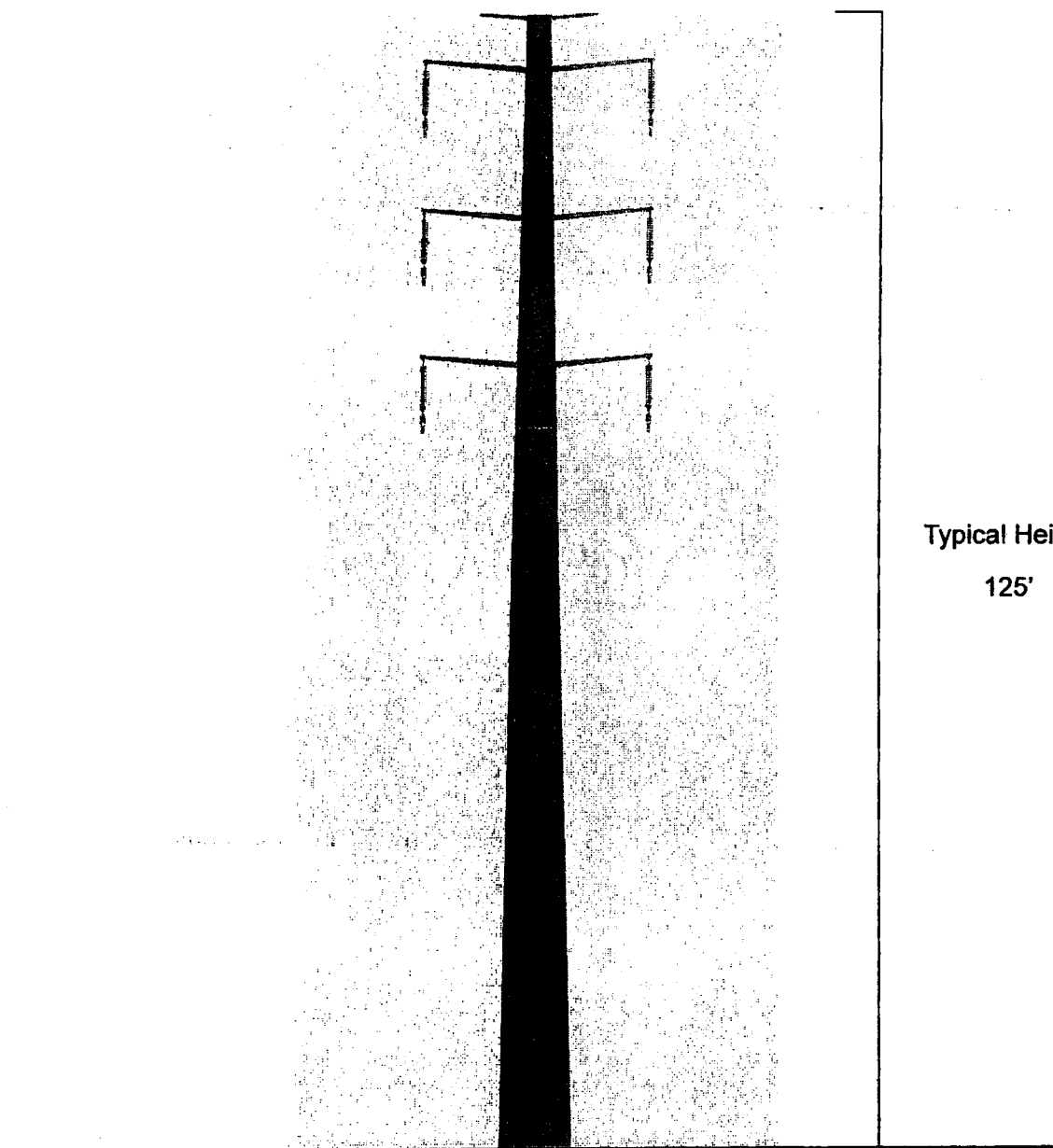
**EXHIBIT G-2**  
Conceptual 500/230kV Steel Monopole Structure  
(Design Configuration #2)

DECISION NO. 69343



Typical Height  
150'-165'

**EXHIBIT G-3**  
Conceptual 500/230kV Steel Monopole Turning Structure



Typical Height  
125'

**EXHIBIT G-4**  
Conceptual 230kV Double-Circuit Structure

**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY IN CONFORMANCE WITH  
THE REQUIREMENTS OF ARIZONA  
REVISED STATUTES SECTION 40-360,  
*et seq.*, FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE TS-9 TO PINNACLE  
PEAK 500kV/230kV TRANSMISSION LINE  
PROJECT WHICH INCLUDES A 500kV  
TRANSMISSION LINE, A 230kV  
TRANSMISSION LINE AND  
ASSOCIATED FACILITIES AND INTER-  
CONNECTIONS ORIGINATING FROM  
THE PROPOSED TS-9 SUBSTATION  
LOCATED SOUTH OF SR74 IN PEORIA,  
AT SECTION 33, TOWNSHIP 6 NORTH,  
RANGE 1 EAST, G&SRB&M, TO THE  
EXISTING PINNACLE PEAK  
SUBSTATION LOCATED NEAR 64<sup>TH</sup>  
STREET AND PINNACLE PEAK ROAD  
IN PHOENIX, AT SECTION 10,  
TOWNSHIP 4 NORTH, RANGE 4 EAST,  
G&SRB&M.

Docket No. L-00000D-06-0635-00131

Case No. 131

**NOTICE OF FILING  
CERTIFICATE OF  
ENVIRONMENTAL  
COMPATIBILITY  
NUNC PRO TUNC**

AZ CORP COMMISSION  
DOCUMENT CONTROL

2001 FEB -7 A 9 47

RECEIVED


The Arizona Power Plant and Transmission Line Siting Committee hereby gives  
Notice of Filing Nunc pro Tunc its Decision and Certificate of Environmental  
Compatibility, for approval by the Arizona Corporation Commission. A copy of the  
Decision is attached, correcting typographical errors:

1. Correcting Docket Number;
2. Correcting spelling errors – ‘northermost,’ to ‘northernmost,’ and
3. Correcting ‘impractical,’ on para. 18(a), pg. 8, to ‘practical.’

All other terms of the CEC are identical to that originally filed on December 29,  
2006, including the date the Certificate was granted.

DECISION NO. 69343

1 DATED, this 6<sup>th</sup> day of February, 2007.

2  
3   
4 Laurie A. Woodall, Chairman  
5 Arizona Power Plant & Transmission  
6 Line Siting Committee

7 ORIGINAL DECISION hand-delivered  
8 to the Commissioners' Division, and  
9 the Original and 25 copies of this  
Notice filed this 6<sup>th</sup> day of February, 2007, with:

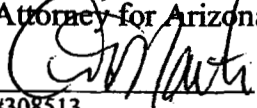
10 Docket Control  
11 Arizona Corporation Commission  
12 1200 West Washington Street  
13 Phoenix, AZ 85007

14 COPIES of the foregoing  
15 mailed this 6<sup>th</sup> day of February, 2007, to:

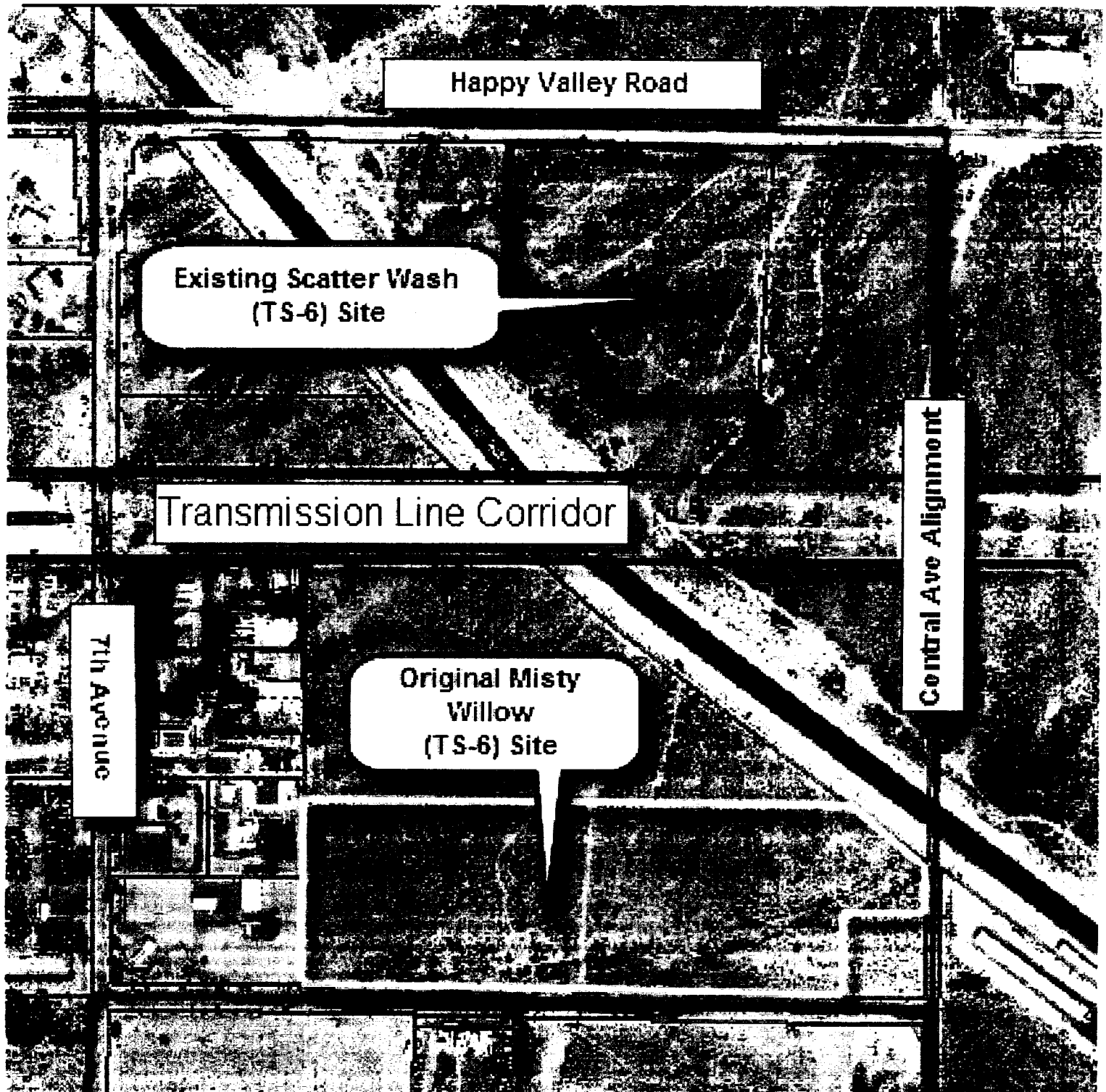
16 Charles Hains  
17 Robin Mitchell  
18 Maureen Scott  
19 Legal Division  
20 Arizona Corporation Commission  
21 1200 West Washington Street  
22 Phoenix AZ 85007  
23 (Attorney for Staff of Utilities Division of ACC)

24 Ernest G. Johnson, Director  
25 Utilities Division  
26 Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007

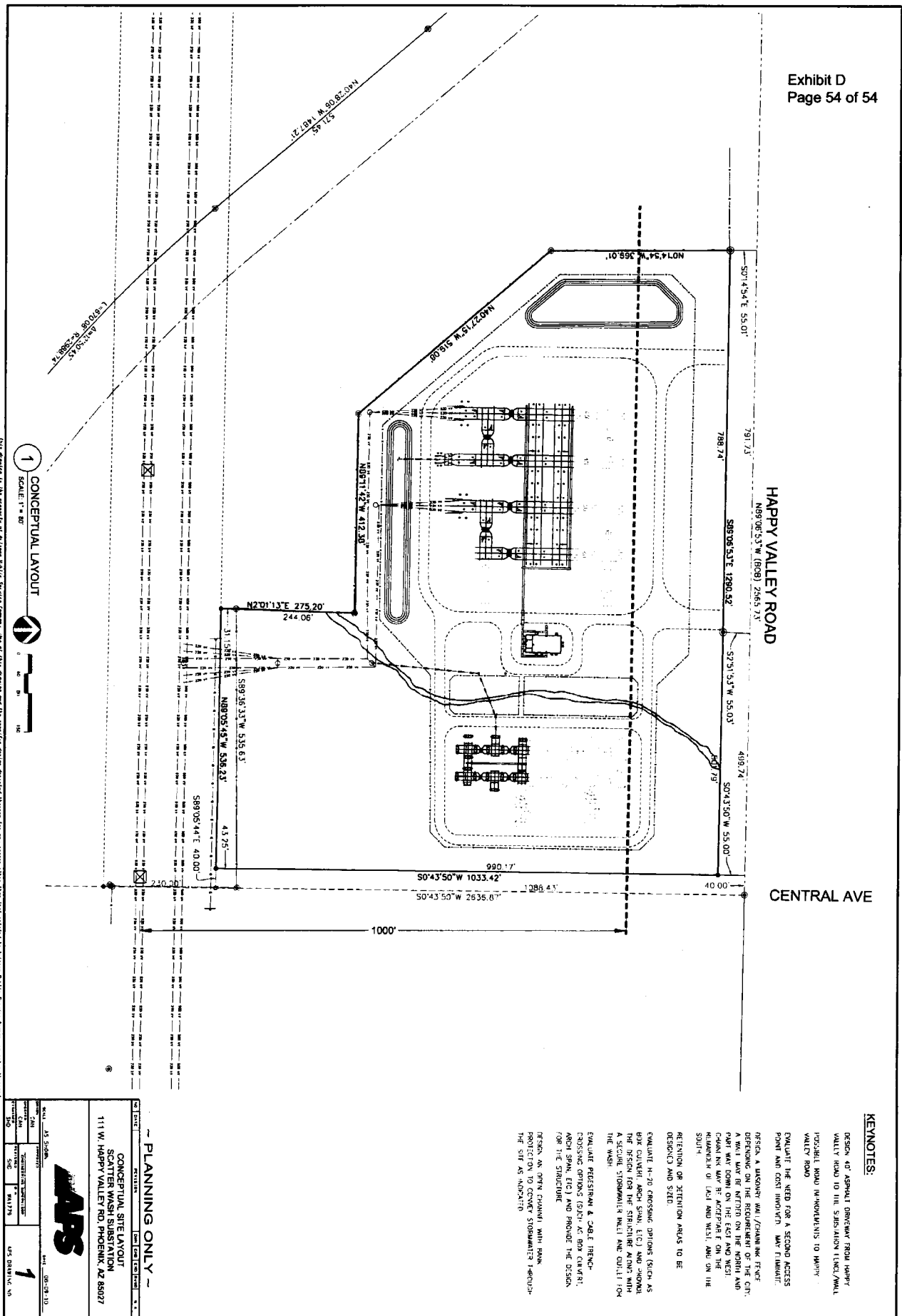
Thomas H. Campbell, Esq.  
Lewis and Roca, LLP  
Two Renaissance Square  
40 North Central Avenue  
Phoenix AZ 85004-4429  
Attorney for Applicant

- 1 Patrick J. Black, Esq.  
Crockett C. Webb, Esq.
- 2 Fennemore Craig  
Suite 2600
- 3 3003 North Central Avenue  
Phoenix, Arizona 85012-2913
- 4 Attorney for United Services Auto Assoc.
- 5 William E. Lally, Esq.  
Withey, Anderson & Morris
- 6 2525 East Arizona Biltmore Circle, #A-212  
Phoenix, Arizona 85016-2133
- 7 Attorney for Trammell Crow Residential
- 8 Michele Molinaro, Esq.  
Ridenour Hienton, et. Al
- 9 201 North Central Avenue, Suite 3300  
Phoenix, Arizona 85004-1052
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- 11 Robert N. Pizorno, Esq.  
Britton M. Worthen, Esq.
- 12 Beus Gilbert PLLC  
4800 North Scottsdale Road, Suite 6000
- 13 Scottsdale, Arizona 85251-7630  
Attorney for TAG Land Pinnacle LLC
- 14 Karilee S. Ramaley, Esq.  
Pinnacle West Capital Corp.
- 15 400 North 5<sup>th</sup> Street  
P.O. Box 53999 MS 8695
- 16 Phoenix, Arizona 85072-3999  
Attorney for Arizona Public Service Co.
- 17   
#308513
- 18
- 19
- 20
- 21
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- 23
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## **EXHIBIT C**



## **EXHIBIT D**



# Exhibit E

STATE OF ARIZONA       )  
                                      ) ss.  
COUNTY OF MARICOPA)

**AFFIDAVIT OF PAUL TRENTER**

I, Paul Trenter, being duly sworn under oath, depose and state:

1. I am a Principal of Environmental Planning Group ("EPG").
2. I served as principal and project manager for the environmental studies prepared for the Certificates of Environmental Compatibility ("CECs") on behalf of Arizona Public Service Company ("APS") for Case 120, the North Valley 230kV Facility Siting Study Project and Case 131, TS-9 to Pinnacle Peak ("Projects").
3. I provided and directed testimony for APS during the Arizona Power Plant and Transmission Line Siting Committee ("Committee") hearings in these dockets concerning the environmental compatibility of the Projects.
4. It is my understanding that APS has noticed their intent to move the location of the future Scatter Wash Substation (*Application to Amend A.C.C. Decision No. 65997*). As such APS must use a modified interconnection structure that will lower the 230kV line so that it may cross under the 500kV line that is co-located on the same transmission structure.
5. It is my expert opinion that the modified interconnection structure will be environmentally compatible.
6. I am personally familiar with the Projects CECs as well as the proposed changes to modify an interconnection structure type, adding a 30-foot lateral assembly and associated conductors to a 150-foot 500/230kV steel monopole structure. The modified interconnection structure is similar to what was originally approved as Exhibit G-2 in Case 120, and constructed in Case 131 as Exhibit G-2. As such, the modified interconnection structure will be visually screened by the proposed substation and is

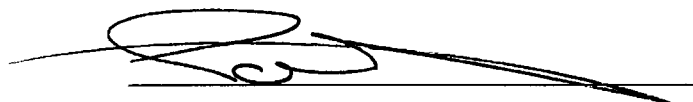
compatible with the existing transmission structures. Conceptual drawings of the modified interconnection structure are attached as Figures 1, 2 and 3.

The area surrounding the location of the modified interconnection structure is an existing built environment. In proximity to the modified interconnection structure are industrial facilities, an existing transmission line corridor with a 500/230kV transmission line and a double circuit 230kV transmission line, the Central Arizona Project canal ("CAP"), and numerous distribution lines.

7. I directed the environmental studies conducted for the Projects' CEC applications and have directed the environmental analyses conducted to determine the environmental effects associated with a structure modification.

8. The modified structure and associated conductors will have little to no effect to visual resources, land use, cultural resources, biological resources or recreational opportunities. The modified structure and associated conductors would be subordinate to the existing transmission lines and proposed substation features. The topography of the area also provides screening and backdropping of the proposed structure location. The nearest existing residences in the vicinity are located to the north and west of the location of the proposed modified structure, on Yearling Road (directly north approximately .75 mile), 5<sup>th</sup>/7<sup>th</sup> Avenue (northwest approximately .75 mile), and 7<sup>th</sup> Avenue (west approximately .50 mile). Minimal impacts to residential views within the vicinity are expected.

DATED this 18<sup>th</sup> day of October, 2012.



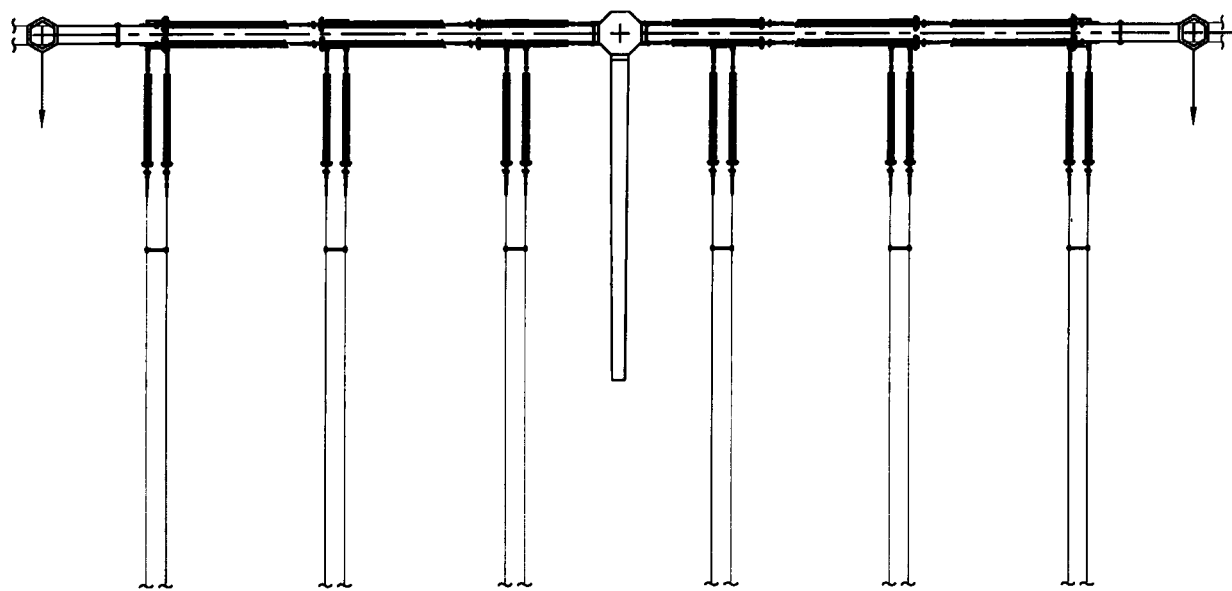
Paul Trenter

SWORN AND SUBSCRIBED to before me this 18<sup>th</sup> day of October, 2012, by:



4-5-13

Brandie Powers  
Notary Public



TO SCATTER WASH SUBSTATION

PLAN VIEW


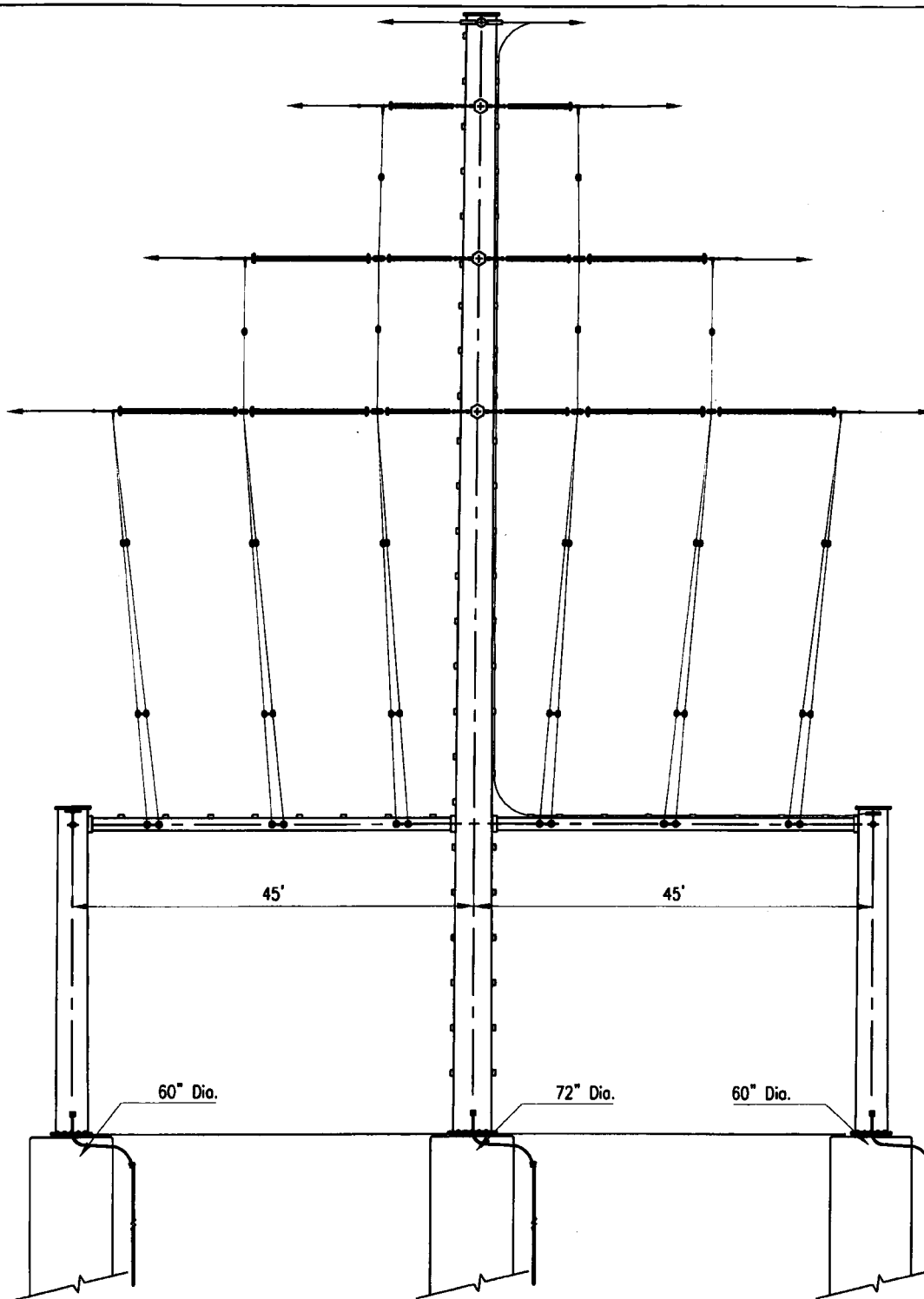
	<b>APS 230kV CUT-IN TO SCATTER WASH SUBSTATION</b> <b>MORGAN TO PINNACLE PEAK LINE</b> <b>STRUCTURE #?? ASSEMBLY DRAWING</b>	
	DWG:	
	WO#:	DATE:
	BY:	SCALE: NTS
FILENAME:	SHEET:	

FIGURE 2  
Trenter Affidavit




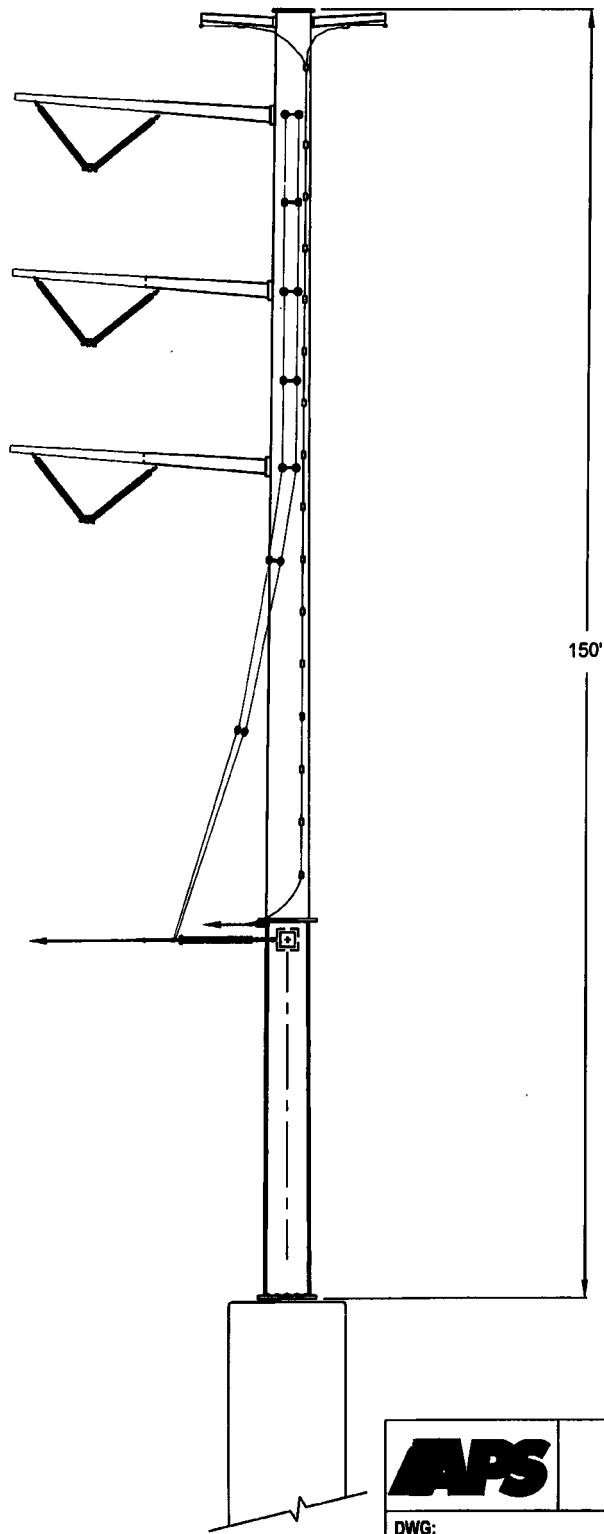
	APS 230kV CUT-IN TO SCATTER WASH SUBSTATION MORGAN TO PINNACLE PEAK LINE STRUCTURE ?? ASSEMBLY DRAWING	
	DWG:	
	WO#:	DATE:
	BY:	SCALE: NTS
	FILENAME:	SHEET:

FIGURE 3  
Trenter Affidavit



SECTION B-B

<b>APS</b>	APS 230KV CUT-IN TO SCATTER WASH SUBSTATION MORGAN TO PINNACLE PEAK LINE STRUCTURE #?? ASSEMBLY DRAWING	
DWG:		
WO#:	DATE:	
BY:	SCALE: NTS	
FILENAME:	SHEET:	